FARRAR COBB

SEVENTY-FOURTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1899.

THE

Massachusetts Charitable Eye and Ear Imfirmary,

233 CHARLES ST., Cor. Fruit St., Boston.

OUT-PATIENT DEPARTMENT.

The Out-Patient Department and dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A. M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons neeeding treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent, between 10 and 11 A. M. and 2 and 3 P. M., ON WEEK DAYS ONLY.

Accident and emergency cases admitted at any time.

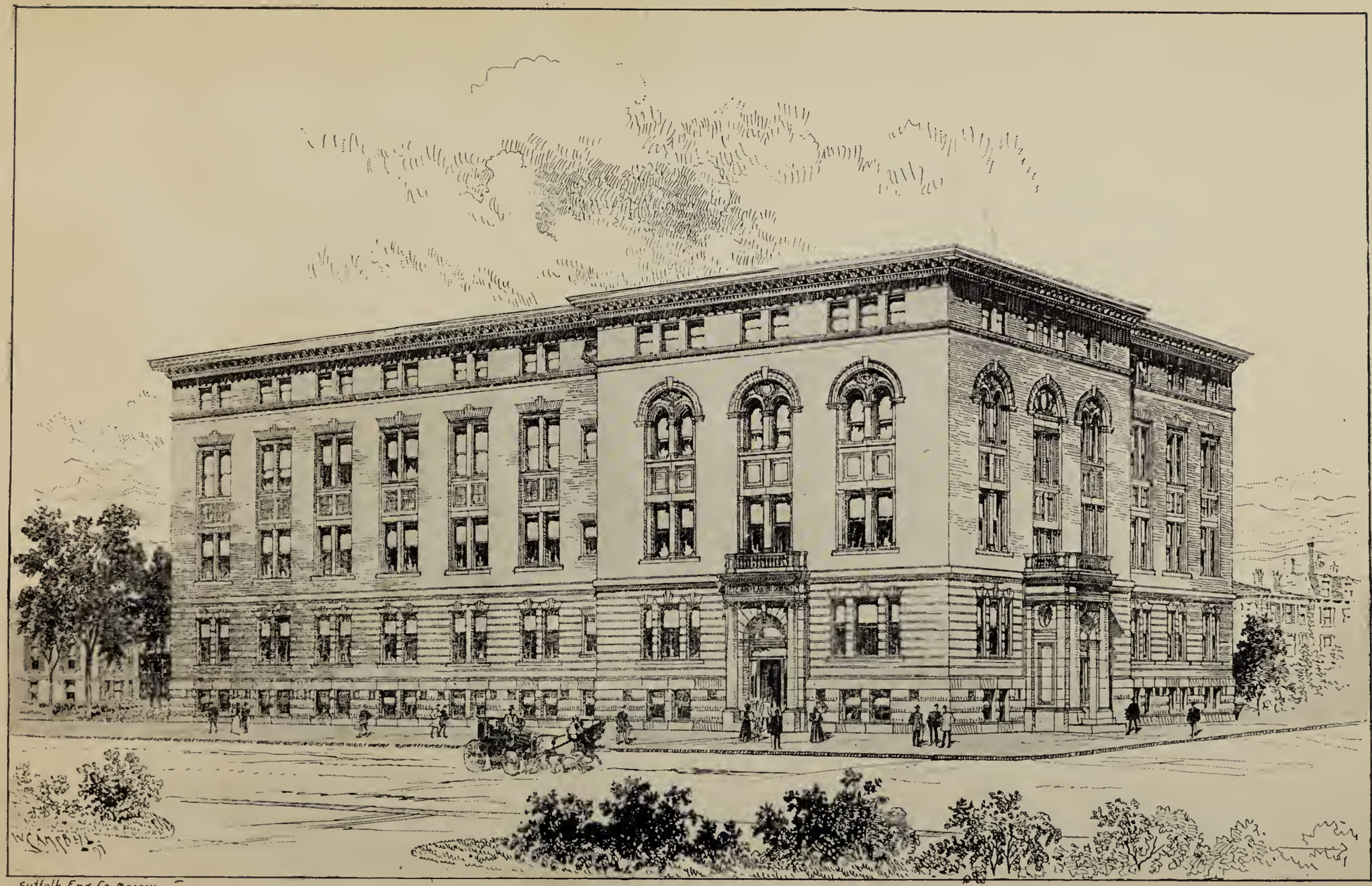
All communications in regard to the Infirmary, or in regard to any inmate, must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P. M.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy,** and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.



Suffolk Eng. Co Boston

SEVENTY-FOURTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1899.

BOSTON:
PRESS OF ALFRED MUDGE & SON,
No. 24 Franklin Street.
1900.

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1899-1900.

*WILLARD P. PHILLIPS.
Dec. 31, 1872.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

CHARLES P. CURTIS.
Feb. 7, 1882.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

DR. JOHN HOMANS, 2D.
Oct. 26, 1893.

HENRY R. SHAW.
Feb. 6, 1894.

CHARLES LOWELL.
Oct. 25, 1894.

FRANCIS L. HIGGINSON.
Oct. 25, 1894.

FREDERIC M. STONE.
May 7, 1895.

*WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

E. ROLLINS MORSE.
Jan. 5, 1900.

EBEN S. DRAPER.
Jan. 5, 1900.

President.

DR. JOHN HOMANS, 2D.

Secretary.

FREDERIC M. STONE, 706 SEARS BUILDING, BOSTON.

Treasurer.

AUGUSTUS HEMENWAY, 10 TREMONT STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. CHARLES LOWELL.
WILLIAM H. SEABURY.

Finance Committee.

CHARLES P. CURTIS. CHARLES LOWELL.
FRANCIS L. HIGGINSON.

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* Appointed by the Commonwealth.

Visiting Committee.

January,	Mr. SEABURY.	July,	Mr. PARKMAN.
	Mr. HEMENWAY.		Mr. LOWELL.
February,	Mr. HEMENWAY.	August,	Mr. LOWELL.
	Mr. STONE.		Mr. HIGGINSON.
March,	Mr. STONE.	September,	Mr. HIGGINSON.
	Mr. MORSE.		Mr. SHAW.
April,	Mr. MORSE.	October,	Mr. SHAW.
	Dr. HOMANS, 2d.		Mr. DRAPER.
May,	Dr. HOMANS, 2d.	November,	Mr. DRAPER.
	Mr. CURTIS.		Mr. GARDNER.
June,	Mr. CURTIS.	December,	Mr. GARDNER.
	Mr. PARKMAN.		Mr. SEABURY.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M. D.
HENRY L. SHAW, M. D.
SAMUEL J. MIXTER, M. D.
HENRY W. BRADFORD, M. D.

Ophthalmic Surgeons.

B. JOY JEFFRIES, M. D.
H. BECKLES CHANDLER, M. D.
OLIVER F. WADSWORTH, M. D.
MYLES STANDISH, M. D.
FREDERICK E. CHENEY, M. D.
WM. DUDLEY HALL, M. D.

Aural Surgeons.

CLARENCE J. BLAKE, M. D.
J. ORNE GREEN, M. D.
FREDERICK L. JACK, M. D.
HENRY L. MORSE, M. D.

Assistant Ophthalmic Surgeons.

EDWIN E. JACK, M. D.
FRANK I. PROCTOR, M. D.
ALEXANDER QUACKENBOSS, M. D.
HENRY H. HASKELL, M. D.
WM. J. DALY, M. D.
W. B. LANCASTER, M. D.

Assistant Aural Surgeons.

EDWARD M. PLUMMER, M. D.
EUGENE A. CROCKETT, M. D.
PHILIP HAMMOND, M. D.

Ophthalmic Clinical Assistants.

L. W. MANSUR, M. D.
F. L. D. RUST, M. D.
FREDERICK S. DeLUE, M. D.
A. G. MORSE, M. D.
F. E. DRAPER, M. D.

Aural Clinical Assistants.

LEON E. WHITE, M. D.
GEORGE A. WEBSTER, M. D.

Pathologist.

WILLIAM DUDLEY HALL, M. D.

Assistant Pathologist.

WILLIAM J. DALY, M. D.

Consulting Neurologist to Aural Department.

JAMES J. PUTNAM, M. D.

Consulting Physician.

RICHARD C. CABOT, M. D.

Ophthalmic House Officers.

H. H. GERMAIN, M. D.
E. W. CLAP, M. D.
E. T. EASTON, M. D.
F. M. SPALDING, M. D.

Aural House Officers.

A. M. AMADON, M. D.
J. N. COGHLAN, M. D.

Superintendent.

FARRAR COBB, M. D.

Matron and Superintendent of Nurses.

MARY COONAHAN.

Apothecary.

HOWARD W. MORSE.

Supervisors.

MITCHELL A. DEARBORN.
JOHN G. SCHROEDER.

Optician.

ANDREW J. LLOYD.

EYE OPERATING ROOM

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The managers, in presenting their Annual Report for the year 1899, take pleasure in recording a year of greatly increased usefulness of the institution, together with a marked decrease in the cost per week of each patient.

The number of patients treated in the wards was 1827, or 407 more than in 1898, and 800 more than in 1895. The daily average number of patients was 98, an increase of 17 over the preceding year. The average stay per patient in the institution has been reduced from thirty-two days in 1895 to nineteen days. The number of new patients treated in the Out-Patient Department was 23,950, or 3,000 more than in 1898, and the total number of visits to the Out-Patient Department was 67,000, an increase of nearly eight thousand visits.

The running expenditure by the Superintendent has been $50,726.04. The actual cost of taking care of one patient for one week has now been reduced to $10.32, $1.12 less than in 1898, $2.35 less than in 1896. This is probably as low a rate as it is wise to make, and the amount will rise a little in the near future because of expenditures to maintain our new plant in the present high state of efficiency and to give the patients due care.

The new building was opened in March, 1899, without interrupting in the least the work of the hospital, and has proved itself thoroughly satisfactory in every way.

The professional staff are now able to perform their devoted and skilful services under proper hygienic conditions, in ample, well-lighted, and ventilated quarters, with all means

for scientific investigation and treatment at their command, while the executive, aided by a capable and enthusiastic corps of employees, is able to see that each and every patient receives the best of care and food that a proper economy will allow.

In the furnishing and equipping of the new Infirmary, and in the solution of the many problems caused by the removal from one institution to another without suffering to a single patient, the great executive ability and wise forethought of the Superintendent cannot be too highly praised.

It is gratifying to report that representatives of leading institutions in the country have, after a careful inspection of the Infirmary, adopted many of its methods and appliances.

A somewhat detailed account of the work in the isolation building follows, as, so far as known, this is the only isolated ward in the country for the treatment of contagious diseases of the eye. Since the ward was opened on March 10, 1899, there have been 120 inmates, of which 43 were transferred from the general wards on account of measles, erysipelas, or suspicion of some contagious disease. This alone shows the great advantage of a building of this sort. The remaining 77 cases were all purulent ophthalmia, in 61 of which the characteristic bacteria were found. Of these 27 were new-born infants, and 41 children under three years of age. The total number of eyes affected and treated was 108. In 14 of these cases the eyesight was lost before entering the hospital, but after entrance the eyesight was preserved in 91 cases, leaving only three cases in which the sight was lost after the patient had entered the hospital and been put immediately under scientific treatment.

It is no exaggeration to say that without this building the eyesight, in the majority of these cases, would have been lost. The importance of the work done in this isolated ward can be properly estimated when it is remembered that, according to most conservative estimates, seventy-five per cent of the

total blindness in the world is due to the contagious purulent ophthalmia, which has been so successfully treated here in the past few months.

The Infirmary has suffered a great loss in the resignation of the President, Dr. J. C. Warren, who, having seen the new building, due so largely to his efforts, completed, equipped, and in successful operation, felt, after eleven years' service, that his many other duties called him away.

The vote passed by the staff follows: —

"*Resolved*, That the Surgeons of the Massachusetts Charitable Eye and Ear Infirmary have heard with regret that Dr. J. Collins Warren has resigned the presidency of the Board of Managers. They desire at this time to express to him and place upon their records their high appreciation of his services. During his presidency the Infirmary has been reorganized in all its departments, has become possessed of a modern hospital building so complete in its appointments as not only to fulfil all the requirements of a modern surgical practice, but also to serve as a model for similar institutions, and has in addition been placed on a much firmer financial basis. They feel that to him the greater part of the credit for these many improvements is due, and desire to tender him therefor the sincere thanks of the professional staff."

The Managers desire to acknowledge the following donations received by the institution during the past year: —

Henry Woods, $1,000; C. P. Curtis, $1,000; F. W. Hunnewell, $200; Georgina Lowell, $50; Mary R. Brewer, $100; Louis Curtis, $25; Mrs. Samuel T. Morse, $100; A. F. Estabrook, $100; I. H. Sweetser, $5.00; Anna Allen, $25; Charles L. Young, $100; E. L. Parker, $100; Edward I. Browne, $500; F. H. Peabody, $25; Ellen R. Pickman, $25.

With the daily average of house patients risen from 80 to 120, the running expenses have necessarily been greatly increased, and the managers appeal to the public to make up the deficit, as $10,000 additional income will be needed to take care of the increased number of patients.

JOHN HOMANS, 2D, M. D.,
WM. D. SOHIER,
for the Board of Managers.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary,

FOR THE YEAR ENDING SEPT. 30, 1899.

INCOME.

RECEIPTS:		
Income from investments		$10,746 59
Income from trustees, will E. V. Ashton		1,200 00
Gift from State		25,000 00
Rebate bank tax		361 75
Gifts in response to circular of November, 1896		740 00
From Superintendent, per his report:		
Board, patients	$3,702 72	
Optician's account	5,398 70	
Medicines	4,805 31	
Sundries	239 50	
		14.146 23
		$52,194 57
Excess of expenditures over receipts		7,375 70
		$59,570 27

EXPENDITURES.

Running expenses, per account of Superintendent		$50,726 04
Additional expenses, per account of Treasurer:		
Balance from last year's account (deficit preceding years),	$5,421 31	
Pittsfield visits	80 00	
Annuities	300 00	
Sundries, $1,209.21; less rebate sewer tax, $25.52	1,183 69	
Insurance, less return premiums, $1,423.82; less cancelled policies, $124.58	1,299 24	
Printing and petties	559 99	
		8,844 23
		$59,570 27

A WARD FOR EAR PATIENTS.

REPORT OF THE SUPERINTENDENT,

For the Year ending September 30, 1899.

STATISTICS OF HOUSE PATIENTS.

The number of patients treated in the wards was 1,827.

Of the 1,827 house patients, 1,090 were males, and 737 females.

Patients treated in Ophthalmic wards	1,321
Patients treated in Aural wards	506

Of the total number, 600 were children under 14 years.

Daily average of patients in wards was 98.

Largest number of house patients at any one time in 1899 was 128.

Free patients admitted	1,068
Paying patients at $6.00 per week	241
Paying patients at less than $6.00 per week	435
Old patients remaining in wards, Sept. 30, 1898	83

The average stay per patient in the hospital under treatment was 19.03 days.

RESIDENCE OF HOUSE PATIENTS.

Boston	764	Rhode Island	4
Massachusetts (excepting Boston)	983	British Provinces	1
Maine	10	Other States	10
New Hampshire	48		1,827
Vermont			

OCCUPATION OF HOUSE PATIENTS.

MALES.

Agents	1	Painters and Glaziers	31
Barbers	9	Porters	11
Butchers	2	Pedlers	12
Book-keepers	3	Physicians	2
Blacksmiths	14	Plumbers and Steam-fitters	12
Clerks	30	Reporters	1
Clergymen	1	Railroad Employees	26
Carpenters and Wood Workers	34	Store-keepers	11
Cooks	5	Seamen and Fishermen	13
Coachmen and Hostlers	15	Shoemakers	22
Engineers	10	Stone-masons	13
Firemen	12	Stone-cutters	15
Farmers	35	Soldiers	1
Gardeners	2	Salesmen	17
Laundrymen	1	Students	11
Letter Carriers	1	Teachers	1
Laborers	163	Teamsters	24
Mill and Factory Operatives	117	Tailors	9
Machinists	23	Waiters	7
Musicians	2	Watchmen	4
Metal Workers and Moulders	26	No occupation	331
Messengers	7		
Nurses	1		1,090
Photographers	2		

FEMALES.

Book-keepers	6	Saleswomen	8
Clerks	5	Seamstresses	14
Companions	1	Students	4
Domestics	86	Stenographers	4
Dressmakers	14	Teachers	5
Housewives	195	Tailoresses	3
Milliners	1	Waitresses	3
Mill and Factory Operatives	23	No occupation	359
Nurses	6		
			737

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

776 were well.
761 were relieved.
89 were not relieved.
43 left against advice.
12 died.
14 eloped.
15 not treated.
13 were transferred to other hospitals, for other diseases.
104 remaining in the hospital Sept. 30, 1899.

NUMBER OF OPERATIONS.

In the Ophthalmic Department there were 2,787 operations performed.

In the Aural Department there were 1,040 operations performed.

OUT-PATIENT DEPARTMENT.

New patients treated.

Ophthalmic:	Males	9,102	
	Females	8,517	
			17,619
Aural:	Males	3,612	
	Females	2,719	
			6,331
	Total		23,950

Number of old patients treated in the Out-Patient Department was:

Ophthalmic	25,784	
Aural	17,585	
		43,369
Total visits in Out-Patient Department,		67,319

RESIDENCE OF OUT-PATIENTS.

Boston	12,203	Connecticut	20
Massachusetts (not Boston)	11,379	Other States	27
Maine	75	British Provinces	20
New Hampshire	172	Norway	1
Vermont	32		
Rhode Island	21	Total	23,950

OCCUPATION OF OUT-PATIENTS.

Actors	2	Milliners	62
Agents	164	Mill and Factory Operators	1,674
Artists	9	Moulders	49
Barbers	98	Musicians	44
Bakers	65	Nurses	107
Blacksmiths	196	Painters	231
Bookbinders	48	Pedlers	119
Book-keepers	141	Pensioners	22
Butchers	40	Photographers	17
Carpenters	373	Physicians and Dentists	19
Children	4,944	Plumbers and Steam-fitters	133
Clergymen	18	Police and Letter-carriers	41
Clerks	1,029	Porters	177
Coachmen and Hostlers	136	Street and Steam Railroads	353
Compositors and Printers	168	Sailors and Soldiers	118
Cooks	128	Seamstresses	613
Domestics	1,794	Shoemakers	196
Electricians	59	Stenographers	47
Engineers	137	Stone-cutters	280
Engravers	6	Store-keepers	95
Farmers	144	Students	188
Firemen	119	Tailors	263
Fishermen	46	Teachers	99
Gas-fitters	11	Teamsters	457
Hotel-keepers	14	Telegraph and Telephone Operators	29
Housewives	3,726	Waiters	136
Laborers	1,935	Wood Workers	181
Laundrymen	37	Other occupations	1,193
Masons	149	None	71
Machinists	718		
Messengers	47		
Metal Workers	236	Total	23,950

RECEIPTS AND EXPENDITURES FOR 1899.

RECEIPTS.

Board of patients	$3,702 72
Drug department	4,805 31
Optical department	5,398 70
Sundries, receipts	239 50
Total	$14,146 23

EXPENDITURES.

Provisions	$11,826 80
Wines and liquors	201 70
Water rates	1,465 20
Gas and oil	853 62
Ice	184 90
Wages	20,773 66
Fuel	1,606 65
Medicines and dispensary	2,714 99
Stationery and printing	683 17
Optical and surgical departments' supplies	4,265 21
Repairs	673 03
Furnishings and supplies, general	3,819 19
Contingent and sundries	1,657 91
Total	$50,726 04

It is fair to add to the above expenditures $2,000 paid by the Treasurer for heat, light, and power for the new building, from March to September. The per capita expense includes the above.

PER CAPITA EXPENSE.

The cost of maintenance per house patient, per week, was $10.32, or $1.12 less than in 1898.

The cost of maintenance per inmate per week was $5.84, or eighty-eight cents less than in 1898.

The cost of subsistence per inmate, per day, was nineteen cents.

EXPENSES.

The total expenditure by the Superintendent has been $50,726.04, which is itemized as follows: —

Provisions		$11,826 80
Meat, fish, and poultry	$4,238 30	
Fruit and vegetables	1,399 21	
Bread and flour	744 53	
Milk	1,601 60	
Groceries	2,497 88	
Butter and eggs	1,345 28	
Wines and liquors		201 70
Water rates		1,465 20
Gas and oil		853 63
Gas	810 80	
Kerosene	4 35	
Lubricating oil	38 48	
Ice		184 90
Fuel		1,606 65
Medicines and dispensary		2,714 99
Stationery and printing		683 17
Wages		20,773 66
Officers (Superintendent, Matron, Assistant Matron, Druggist)	4,261 58	
Clerks, office, clinic, and telephone	1,853 31	
Day engineer	743 97	
Night engineer and watchman	660 00	
Head nurses, permanent	1,812 00	
Post-graduate nurses	1,248 10	
Attendant nurses	1,660 57	
Special nurses	204 00	
Ward masters	1,746 27	
Orderlies	819 32	
Porters	1,288 09	
Kitchen department	1,171 11	
Laundry	1,227 35	
Sewing-room	240 00	
Ward maids	818 16	
Other female help	1,020 83	
Optical and surgical instruments		4,265 21
Cost of optical department	3,880 90	
Optical and surgical instruments	384 31	
Repairs		673 03
Plumbing	315 86	
Carpentering	91 20	

Steam plant	$64 82	
Mason work	8 90	
Mattresses and furniture	27 00	
Laundry and kitchen	24 97	
Electric bells, locks, keys, etc.	43 58	
Elevator	38 20	
House cleaning	58 50	
Furnishings and supplies		$3,819 19
Soap	89 10	
Linen room supplies and nurses' uniforms	192 59	
Doctors' coats and orderlies' uniforms	89 42	
Blankets	573 68	
Cooking utensils and patients' dishes	72 93	
Surgical supplies	1,214 93	
Laundry supplies	257 05	
Steam plant supplies	19 41	
Paint	37 75	
Bacteriological laboratory supplies	20 80	
Electric fixtures and incandescent lamps	63 23	
Furniture	89 40	
Disinfecting apparatus	27 50	
General supplies	1,071 40	
Contingent and sundries		1,657 91
Telephone bills	232 41	
Rent of employees' rooms	211 00	
Library funds	85 01	
Advertising	45 00	
Grounds	17 58	
Contingent repairs	32 15	
General contingent and sundries	1,034 76	

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

The average number of nurses in daily attendance has been twenty-three. The total number of graduate nurses taking the course has been twenty-one. The number of applicants for the course has been fourty-four. The number of diplomas given was twelve. Forty-eight lectures were given by the Surgical Staff, and fifty-six classes by the House Staff and the Superintendent of Nurses.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient Departments from Sept. 30, 1889, to Oct. 1, 1899, showing the yearly increase in the number of patients treated in each department, also the total number of patients treated in both departments during the past ten years: —

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1890	752	76	10,931	4,358	16,117
1891	733	120	11,926	4,578	17,357
1892	753	250	12,573	4,471	18,047
1893	777	329	13,258	4,742	19,106
1894	791	277	14,260	5,109	20,437
1895	782	248	14,204	4,946	20,180
1896	912	285	15,359	5,545	22,101
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,877
Totals	8,867	2,729	141,833	50,900	204,329

A total of 192,733 new patients treated in the Out-Patient Department. As these patients made an average of three visits each, it brings the total number of visits of patients to 578,199.

Respectfully submitted,

FARRAR COBB, M. D.,
Superintendent.

A TREATMENT ROOM IN OUT-PATIENT DEPARTMENT.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen, — It is but natural that the Board of Surgeons, in approaching the subject of the annual report, should this year regard it as an opportunity for expressing their appreciation of the interest, the energy, and the careful thought which has furnished them with increased facilities for carrying on the work of the profession, under the auspices of this Institution. This feeling must, however, find its fullest exhibition in the work which they continue to do in their several departments. The history of the growth of the Massachusetts Charitable Eye and Ear Infirmary has shown a steady progress from the time of the wise inception of its founders, and the step last taken, and to which this annual report bears tribute, is, in the light of its first year's experience, the most successful of all. In addition to providing a well equipped Out-Patient Department, it has increased the ward accomodations, provided a separate building for contagious cases, has given opportunities for the treatment, surgical and otherwise, of house patients, in accord with the latest advances of medical science, and has furnished in its pathological laboratory opportunities for investigation, which will help in the diagnosis of and tend to limit the progress of disease. The provision of suitable accommodations for the Training School for Nurses cannot but tend to improve the quality of the nursing, and so is an important factor in the beneficent work of this institution which, with an absolutely fireproof building of the most modern construction, is in

advance of any similar institution in this country or in Europe.

To enter into the possession of such a building, admirably administered, and to do professional work within its walls, without a wish to congratulate those who have served to make it what it is, would be ungrateful, and the Board of Surgeons desires, therefore, to express its appreciation to the Board of Managers as a whole, to its Executive Committee, and to the Superintendent, and to express its hearty and sincere regret that the President, under whose direction so much has been builded well, should not remain in the office in which he has rendered this staff and the medical profession his debtor.

B. JOY JEFFRIES,
CLARENCE J. BLAKE,
for the Board of Surgeons.

Oct. 26, 1889.

A CLINIC ROOM IN OUT-PATIENT DEPARTMENT.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES HOUSE PATIENTS.

Lids.

Abscess	1
Blepharitis	10
Chalazion	4
Cyst of lid	1
Cyst of brow	1
Dermatitis	1
Ectropion	3
Eczema	1
Entropion	7
Emphysema	1
Epithelioma	4
Erysipelas	1
Papilloma	2
Powder Burns	3
Ptosis	14
Trichiasis	3
	57

Lachrymal Apparatus.

Abscess	21
Dacryo-cystitis	3
Lachrymal Obstruction	5
Mucocele	1
	30

Conjunctiva.

Burns	19
Conjunctivitis, Acute	21
Diphtheritic	4
Gonorrhœal	74
Granular	36
with Pannus	21
Muco-purulent	11
Phlyctenular	14
Cuts	1
Pterygium	2
Symblepharon	3
Tumor	1
Xerosis	2
	209

Cornea.

Abrasion	6
Abscess	8
Burns	26
Cuts	22
Foreign Body	3
Keratitis:	
Interstitial	19
Phlyctenular	47
Simple	18
Superficial	20
Traumatic	2
Ulcerative	18
Vascular	16
Herpes	1
Kerato-iritis	10
Kerato-scleritis	6
Kerato-sclero-iritis	3
Leucoma, partial	24
Total	2
Inflamed	9
Adherens	2
Staphyloma	12
Ulcers:	
Dendritic	2
Hypopyon	31
Perforating	7
Serpiginous	3
Simple	67
Traumatic	12
Wounds	28
Tumors	2
	426

Anterior Chamber.

Foreign Body	3
Hyphæmia	9
	12

Sclera.

Episcleritis	1
Wound of Ciliary Region	4
Wound of Sclera	12
with Staphyloma	3
	20

Iris and Ciliary Body.

Blocked Pupil	10
Gumma of Iris	2
Ciliary Body	1
Iritis, Simple	29
Rheumatic	8
Specific	12
Hypopyon	3
Serous	1
Traumatic	8
Irido-cyclitis	7
Prolapsed Iris	2
Iritic Adhesions	1
	84

Lens.

Cataract, Capsular.	36
Congenital	28
Complicated	2
Incipient	60
Mature	168
Traumatic	34
Foreign Body	2
Dislocated Lens	5
	335

Optic Nerve.

Optic Atrophy	5
Optic Neuritis	4
Hemianopsia	1
	10

Choroid.

Choroiditis	6

Glaucoma	
Acute	22
Simplex	9
Secondary	7
	44

Vitreous.

Foreign Body	2
Hæmorrhage	1
Opacities	2
	5

Retina.

Retinitis, Albuminuric	2
Hæmorrhagic	4
Separation	15
	21

Globe and Orbit.

Abscess of Frontal Sinus	2
Cellulitis of Orbit	4
Disorganized Globe	16
Intra-ocular Tumor	2
Injury to Globe	10
Exophthalmus	1
Panophthalmitis	7
Periostitis of Orbit	2
Phthisis Bulbi	13
Sarcoma of Orbit	1
Tumor of Orbit	3
	61

General Injuries.

Injuries	28
Blows and Cuts	8
	36

Refraction.

Hypermetropia	25
Hypermetropic Astigmatism	13
Myopic Astigmatism	2
	40

Muscular Affections and Neuroses.

Diplopia	6
Exophoria	1

Paralysis of 3d Nerve	2
Strabismus, Alternating	1
Convergent	47
Divergent	7
	64

MISCELLANEOUS.

Epicanthus	1
Herpes Zoster	5
No diagnosis	1
	7

SUMMARY OF DISEASES.

Lids	57
Lachrymal Apparatus	30
Conjunctiva	209
Cornea	426
Anterior Chamber	12
Sclera	20
Iris and Ciliary Body	84
Lens	335
Optic Nerve	10
Choroid	44
Vitreous	5
Retina	21
Globe and Orbit	61
General Injuries	36
Refraction	40
Muscular Affections and Neuroses	64
Miscellaneous	7
Total	1,461

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

LIDS.

Abscess	2
Canthoplasty	3
Chalazion	65
Cyst of Brow and Lid	3
Ectropion	2
Entropion:	
Lower Lid	7
Green's Operation	11
Epithelioma	4
Electrolysis	1
Foreign Body removed	1
Plastic	3
Ptosis	2
Grandemont	1
Ptosis Pagenstecher	1
Panas	4
Tumor excised	4
Wounds sutured	5
	119

CONJUNCTIVA.

Foreign Body removed	2
Plastic Operation	1
Pterygium	20
Symblepharon	3
Stripping	12
	38

CORNEA.

Curetting	1
Dermoid Cyst removed	1
Foreign Body removed	3
Paracentesis:	
Hyphæmia	1
Ulcer Cornea	4
Saemisch	17
Staphyloma Anterior	1
Tumor of Cornea	1
Xerosis	2
	31

IRIS.

Iridectomy:	
Artificial Pupil	25
Freeing Anterior Synechiæ	2
Foreign Body in Iris	1
Glaucoma	17
Preliminary to Cataract	5
Prolapsed Iris abscised	14
Prolapsed Iris replaced	1
	65

MUSCLES.

Advancement External Rectus	33
Interior Rectus	2
Superior Rectus	1
Tenotomy External Rectus	2
Internal Rectus	41
Superior Rectus	2
	81

LENS.

Capsule Operation	105
Cataract:	
Attempted	4
Complicated	4
Modified Graefe	69
Simple	45
With Buttonhole of Iris	46
Suction	11
Linear Incision	1
Discission	61
	346

ENUCLEATIONS.

For Disorganized Globe	25
Foreign Body	1
Glaucoma	8
Phthisis Bulbi	9
Injury	15
Irido-Cyclitis	7
Sloughing Cornea	1
Staphyloma	9
Sympathetic Inflammation threatened	6
Tumor of Globe	3
Panophthalmitis	7
	91

MISCELLANEOUS.

Abscess of Orbit	1
" " Lachrymal Duct	6
Abscission of Vitreous	1
Dermoid Cyst of Orbit	1
Dislocated Lens removed from Anterior Chamber	1
Exploratory for Orbital Tumor	1
" " Diagnosis	1
Evisceration	1
Mules Operation	6
Foreign Body:	
Anterior Chamber	1
Anterior Chamber Magnet	2
Sclera	1
Globe, Attempted	1
Vitreous, Magnet	1
Attempted Magnet	8
Frontal Sinus	2
New growth of Orbit, — Exenteration	1
Wound of Sclera	1
Other operations	6
Lids	119
Conjunctiva	38
Cornea	31
Iris	65
Muscles	81
Lens	346
Enucleations	91
Miscellaneous	43
	814

OUT-PATIENTS.

Abscess, Lachrymal	18	Foreign Body, Lid	274
" Lid	14	Hordeolum	31
" Orbital	1	Pterygium	18
Chalazion	107	Verruca	10
Cyst of Lid	17	Other minor operations	46
Electrolysis	2		
Foreign Body, Cornea	1,401	Total	1,973
" " Conjunctiva	34		

OUT-PATIENT DEPARTMENT.

New patients (male)	9,102	New patients (female)	8,517

DISEASES OF OUT-PATIENTS.

LIDS.		Hæmatoma	1
Abscess	29	Herpes Zoster	14
Angioma	1	Hordeolum	147
Ankyloblepharon	1	Lagophthalmus	12
Blepharitis	925	Lithiasis	6
Burns	39	Lippitudo	19
Chalazion	463	Milium	4
Cyst	36	Molluscum Contagiosum	7
Cornu Cutaneum	2	Nævus	3
Dermatitis	18	Œdema	71
Distichiasis	4	Papilloma	8
Ecchymosis	48	Phthiriasis	13
Ec ropion	30	Ptosis	48
Eczema	35	Sinus	1
Emphysema	4	Symblepharon	10
Entropion	23	Trichiasis	48
Epicanthus	8	Tumors	6
Epithelioma	6	Ulcers	3
Erysipelas	1	Rodent	3
Erythema	1	Verruca	13
Foreign body	281	Wound	40
Granuloma	1	Xanthalasma	13
Granulating Tissue, Conjunctiva of Lid	1		2,450
Growth	3		

Lachrymal Apparatus.	
Abscess	59
Catarrah of Sac	26
Epiphora	251
Lachrymal Obstruction	158
Fistula	7
Mucocele	59
Style in Lachrymal Duct	1
	561
Conjunctiva.	
Burns	55
Conjunctivitis	
Blenorrhœa	2
Catarrhal, Acute	481
Chronic	873
Diphtheritic	1
Follicular	165
Gonorrhœal	44
Granular	186
with Pannus	37
Membranous	2
Muco-purulent	35
Neonatorum	36
Phlyctenular	209
Simple	1,483
Strumous	2
Traumatic	166
Cuts	41
Cysts	2
Eccymosis	159
Foreign Body	43
Granuloma	1
Hyperæmia	11
Œdema	8
Lymphangioma	1
Lymphangiectasis	3
Pigmentation in Caruncle	1
Pinguecula	36
Pterygium	121
Tumors	2
Ulcers	3
	4,209
Cornea and Sclera.	
Abrasion	215
Abscess	8
with Hypopyon	1
Burn	52
Cyst	2
Congenital Defect, Cornea	1
Descemetitis	5
Episcleritis	51
Facet on Cornea	1
Foreign Body, Cornea	1,468
Foreign Body Sclera	3
Growth	3
Infiltration Cornea	95
Keratitis:	
Dendritic	5
with Hypopyon	3
Interstitial	44
Neuro-paralytic	1
Phlyctenular	343
Simple	381
Suppurative	1
Traumatic	35
Vascular	20
Kerato-conus	5
Kerato-iritis	16
Kerato-sclero-iritis	1
Leucoma	280
Adherens	17
Inflamed	32
Total	6
Maculæ	12
Microcornea	1
Nebulæ	285
Opacities	34
Rupture of Sclera	3
Scleritis	7
Sclero-keratitis	13
Staphyloma, Cornea	21
Sclera	4
Ulcer Cornea:	
with Hypopyon	21
Serpiginous	7
Simple	443
Traumatic	45
Vascular	10
Wound of Ciliary Region	1
Cornea	100
Sclera	9
Xerosis	1
	4,112

Anterior Chamber.	
Foreign Body	1
Hyphæmia	39
	40

Iris and Ciliary Body.	
Ciliary Injection	32
Coloboma	6
Excluded Pupil	1
Foreign Body, Iris	1
Gumma, Iris	4
Irido-cyclitis	11
" -dialysis	11
" -donesis	29
" -scleritis	1
Iridiræmia	1
Iris Bombè	2
Iritis, Rheumatic	199
Specific	61
Traumatic	15
Mydriasis	21
Artificial	37
Occluded Pupil	19
Pigmented Iris	1
Prolapsed Iris	15
Ruptured Iris	1
Synechia, Anterior	40
Posterior	32
	540

Lens.	
Cataract, Capsular	5
Congenital	30
Cortical	2
Anterior Polar	4
Incipient	370
Mature	148
Nuclear	2
Post. Polar	5
Traumatic	36
Dislocated Lens	21
Foreign Body	1
Opacities Lens	107
Sclerosed Lens	1
	732

Vitreous.	
Cholesterin	3
Growth	1
Hæmorrhage	9
Hyalitis	10
Muscæ Volitantes	24
Opacities	97
Prolapse	1
Webs	11
	156

Optic Nerve.	
Atrophy	62
Neuritis	18
Retro-bulbar	5
	85

Retina.	
Changes in Macula	18
Coloboma of Macula	1
Embolism of Central Artery	4
Glioma of Retina	1
Hæmorrhage in Macula	3
Neuro-retinitis	12
Œdema of Retina	1
Pigmentary Degeneration Retina	14
Retinitis	25
Albuminuric	9
Hæmorrhagic	24
Proliferans	1
Separation of Retina	45
Thrombosis	3
	161

Choroid.	
Albinism	2
Atrophy	13
Choroiditis	78
Coloboma	3
Glaucoma	82
Growth	1
Irido-choroiditis	3
Retino-choroiditis	9
Sclerotico-choroiditis, Posterior	5
Rupture of Choroid	4
Staphyloma, Posterior	16
	216

Globe and Orbit.

Abscess, Orbit	2
Anophthalmus	10
Cellulitis	2
Cicatrix of Orbit	1
Disorganized Globe	33
Emphysema of Orbit	1
Exophthalmus	7
Foreign Body, Globe	3
Granuloma of Orbit	1
Hydrophthalmus	2
Irritable Orbit	16
Megalophthalmus	1
Microphthalmus	6
Neoplasm	1
Papillitis	2
Periostitis	2
Phthisis Bulbi	37
Rupture of Globe	1
Tumor of Orbit	2
Tenonitis	1
	132

General Injuries.

Blows and Cuts	218
Burns	85
	303

Accommodation and Refraction.

Asthenopia	71
Astigmatism	1,446
Emmetropia	194
Hypermetropia	3,420
Myopia	762
Paralysis of Accommodation	12
Presbyopia	996
	6,901

Affections of Percipient Apparatus.

Amblyopia	51
Alcohol, Tobacco, etc.	33
Hysterical	1
Color Blindness	1
Hemianopsia	2
Nyctalopia	1
Scotoma	12
Synchisis Scintillans	1
	102

Muscular Affections and Neuroses.

Blepharospasm	25
Ciliary Neuralgia	2
Cycloplegia	1
Diplopia	24
Esophoria	11
Exophoria	7
Exophthalmic Goitre	1
Facial Neuralgia	2
Hysteria	4
Hyperphoria	15
Locomotor Ataxia	2
Nictitation	4
Nystagmus	20
Neurasthenia	3
Occipital Neuralgia	1
Ophthalmoplegia, External	2
Internal	1
Polyopia	1
Paralysis, Facial	15
Fourth	1
Seventh	4
Sixth	2
Third	17
Recti Muscles	23
Photophobia	6
Strabismus, Alternating	30
Convergent	281
Divergent	91
Transient	12
Supra-Orbital Neuralgia	17
	625

Miscellaneous.

No disease	41
Referred to other Institutions	43
Eloped	79
Unfit	157
Entered by mistake	30
Refused treatment	28
No diagnosis	150
Vision cases not refracted	825
	1,353

Other Diseases.	
Anæmia	9
Alcoholic	1
Chorea	2
Diabetes	1
Frontal Sinus	1
Fracture of Malar Bone	1
Hydrocephalus	1
Impetigo	1
Lupus	1
Vaso-neurotic Œdema	1
Vertigo	2
	22

SUMMARY OF DISEASES.

Lids	2,450
Lachrymal Apparatus	561
Conjunctiva	4,209
Cornea and Sclera	4,112
Anterior Chamber	40
Iris and Ciliary Body	540
Lens	732
Vitreous	156
Optic Nerve	85
Retina	161
Choroid	216
Globe and Orbit	132
General Injuries	303
Accommodation and Refraction	6,901
Affections of Percipient Apparatus	102
Muscular Affections and Neuroses	625
Miscellaneous	1,353
Other Diseases	22
Total	22,700

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

a. *Inflammations.*

	R.	B.	L.
Perichondritis	0	0	2

b. *Neoplasms.*

Angioma	1	0	0
Epithelioma	1	0	0

II. MEATUS.

a. *Inflammations.*

Abscess	1	0	0
Acute diffuse inflammation	1	0	0
Acute circumscribed inflammation	1	0	0

III. DISEASES OF THE MIDDLE EAR.

Acute secretory catarrhal inflammation	1	0	0
Acute secretory catarrhal inflammation with adenoids	2	0	0
Chronic secretory catarrhal inflammation	1	0	0
Adhesive catarrhal inflammation, secretory	0	2	0
Adhesive catarrhal inflammation with labyrinthine disease	0	1	1

Acute Inflammation.

Simple	4	0	2
With mastoiditis	25	2	13

Acute Suppurative Inflammation.

Simple	4	1	3
With diffuse inflammation of external canal	2	0	0
With mastoiditis	38	4	29
With caries of mastoid and facial paralysis	1	0	0
With mastoid abscess	2	0	4
With post-aural abscess	8	0	7
With post-aural abscess and caries of mastoid	1	0	0

	R.	B.	L.
With sub-periosteal abscess	1	0	1
With supra-aural abscess	1	0	0
With cholesteatome	0	0	1
With adenoids	0	1	0
Chronic Suppurative Inflammation.			
Simple	5	1	6
With granulations of the tympanum	1	0	0
With polypus in the tympanum	3	0	3
With polypus in the tympanum and abscess of neck	1	0	0
With polypus in the tympanum, caries of mastoid, and facial paralysis	1	0	0
With caries in the meatus	1	0	0
With polypus in the tympanum and facial paralysis	1	0	0
With carious ossicles	1	0	3
With carious ossicles and polypus in the tympanum	1	0	0
With cholesteatome	1	0	0
With mastoiditis	7	1	9
With mastoiditis and abscess of neck	1	0	2
With caries of mastoid	4	0	0
With caries of mastoid and tympanum	1	0	0
With caries of mastoid and meningitis	0	0	2
With meningitis and extra dural abscess	0	0	1
With meningitis	1	0	0
With post-aural abscess	3	0	1
With facial paralysis	1	0	1
With labyrinthine disease	0	1	0
With lockjaw	2	0	0
With epithelioma of mastoid	0	0	1
With epidermoid cancer	0	0	1
With sarcoma of mastoid	0	0	1
Effect of Chronic Suppurative Inflammation.			
Simple	1	0	0
IV. DISEASES OF THE LABYRINTH.			
Labyrinthitis	0	2	0
Hæmorrhage	0	1	0
MISCELLANEOUS.			
Adenoids	0	109	0
Adenoids and tonsils	0	34	0
Tonsils	0	2	0
Deflected septum	0	5	0
Deaf mutism	0	3	0
Nasal spur	0	1	0
Sarcoma of post nasal space	0	1	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.	R.	B.	L.
1. Auricle.			
Abscess of tragus incised	3	0	5
Abscess of lobe incised	3	0	2
Cyst removed	2	0	0
Cyst of lobe removed	1	0	0
Epithelioma of lobe removed	0	0	1
Hæmatoma incised	1	0	0
Microtia	0	1	0
Perichondritis	0	0	2
Congenital fistula of auricle excised	1	0	0
2. Meatus.			
Abscess incised	18	0	14
Circumscribed abscess incised	11	0	7
Foreign body removed	3	0	0
3. Tympanum.			
Drum membrane-paracentesis	288	26	175
Carious ossicles removed	2	1	0
Carious malleus and incus removed	3	0	3
Granulations in tympanum removed	9	0	1
Polypus removed	46	1	29
Stapedius muscle tenotomy	1	0	1
4. Nose and Pharynx.			
Nose, spur removed	11	0	2
Nose, polypus removed	8	0	1
Deflected septum straightened	0	3	0
Nasopharynx, adenoids removed	0	121	0
Nasopharynx, adenoids and tonsils removed	0	61	0
Nasopharynx, tonsils removed	0	5	0
5. Mastoid Region.			
Abscess, post-aural, incised	3	0	2
Abscess, sub-periosteal, incised	1	0	0
Abscess, supra-aural, incised	2	0	0
Abscess, infra-aural.	0	0	1
Mastoid operations (see special report)	73	0	71
Miscellaneous.			
Various operations	9	0	5

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Congestions.*

	R.	B.	L.
Frozen ear	0	0	1

b. *Inflammations.*

Abscess	2	0	0
Abscess of lobe	3	1	1
Abscess of tragus	1	0	3
Dermatitis	1	0	0
Eczema	22	27	11
Herpes zoster	1	0	1
Intertrigo	1	0	1
Hæmatoma traumatic	1	0	0
Perichondritis	1	0	0

c. *Deformities.*

Atresia acquired	1	0	1
Congenital fistula of auricle	2	0	2
Congenital fistula of auricle, with cyst	0	0	1
Microtia	0	1	0

d. *Neoplasms.*

Cyst of auricle	1	0	0
Cyst of lobe	1	0	0
Epithelioma	3	0	1

e. *Trauma.*

Auricle	0	0	1

2. Meatus.

Cerumen	275	723	280
Trauma	1	0	0
Abscess	20	0	15
Eczema	15	23	11
Acute diffuse inflammation	46	10	33
Acute circumscribed inflammation	30	2	36
Chronic diffuse inflammation	0	2	1
Foreign body (animate)	8	0	4
Foreign body (inanimate)	17	0	10
Exostosis	2	0	0

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	10	0	5
Trauma indirect	3	0	5

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

	R.	B.	L.
Mucous	125	290	117
With adenoids	7	80	7
Serous	25	45	20
Serous, with adenoids	0	15	2
With labyrinthine disease	0	1	0

Chronic Secretory Catarrhal Inflammation.

With adenoids	2	70	3
Mucous	102	411	126
Serous	0	1	0
Serous, with adenoids	0	60	0

b. *Adhesive Catarrhal Inflammation.*

Secretory	76	435	45
Secretory, with labyrinthine disease	1	11	0
Insidious	4	21	2
Insidious, with labyrinthine disease	1	1	1

c. *Acute Inflammation.*

Simple	236	74	175
With adenoids	7	15	6
With mastoiditis	7	1	8
With facial paralysis	1	0	0
With post-aural abscess	1	0	0

d. *Acute Suppurative Inflammation.*

Simple	260	102	185
With caries of mastoid	1	0	0
With mastoiditis	20	1	16
With mastoid abscess	1	0	0
With granulations in tympanum	0	0	1
With periauricular abscess	1	0	1
With sub-periosteal abscess	0	0	1
With post-aural abscess	9	0	1
With facial paralysis	1	0	1
With abscess of neck	1	0	1
With adenoids	14	22	8

e. *Chronic Suppurative Inflammation.*

Simple	216	124	196
With caries of mastoid	4	1	2
With mastoiditis	3	0	4
With caries of the ossicles	6	1	3
With caries of mastoid and abscess of neck	0	0	1

	R.	B.	L.
With caries of mastoid and polyp in tympanum	1	0	0
With caries of mastoid and meningitis	0	0	1
With abscess of neck	1	0	1
With cellulitis of neck	1	0	0
With polypus in the tympanum	28	0	27
With polypus in the tympanum and facial paralysis	1	0	0
With granulations in the tympanum	23	3	27
With caries of tympanum and facial paralysis	1	0	0
With meningitis	0	0	1
With adenoids	5	8	2
With caries in the meatus	0	1	0
With post-aural abscess	0	0	2
With post-aural abscess and abscess of neck	0	0	1
With granulations in tympanum and mastoiditis	1	0	0
Effect of suppurative inflammation	180	145	127
Effect of suppurative inflammation with adenoids			

4. Eustachian Tube.

Catarrhal inflammation of the eustachian tube	0	2	0

5. Neuroses of Middle Ear.

Otalgia from teeth	45	20	21
Otalgia from nose	0	1	0
Otalgia from pharynx	0	3	0

IV. DISEASES OF THE LABYRINTH.

Labyrinthitis	0	25	0
Anæmia	0	1	0
Concussion	0	0	3
Trauma	0	1	0

Miscellaneous.

Adenoids	0	25	0
Adenoids and tonsils	0	6	0
Hypertrophic rhinitis	0	48	0
Atrophic rhinitis	0	9	0
Purulent rhinitis	0	24	0
Deaf mutism	0	27	0
Bleeding from canal	1	0	0
Angio neurotic tumor	1	0	0
Exostosis (nose)	0	1	0
Osteo Sarcoma	1	0	0
Deflected septum	0	2	0
Eloped	0	12	0
No diagnosis	0	45	0
No ear disease	0	73	0
Unfit patients	0	147	0

STATISTICS, OCT. 1, 1898, TO OCT. 1, 1899.

EAR PATIENTS.

Males.

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Total.
Births to 3 years.....	12	20	11	22	13	32	25	32	27	20	17	8	239
3 yrs. to 15 " ..	74	59	52	57	54	65	70	79	62	55	65	57	749
15 " " 25 "	48	41	44	65	35	80	82	63	67	66	74	48	713
25 " " 35 "	66	47	43	60	45	72	68	53	87	76	81	56	754
35 " " 45 "	33	32	30	37	28	55	58	51	48	57	56	40	525
45 " " 55 "	18	20	16	28	21	25	27	29	42	47	31	31	335
55 " " 65 "	13	15	10	7	8	12	21	18	18	20	19	21	182
65 " " 75 "	6	2	3	6	4	4	9	14	15	5	15	14	97
75 " " 85 "	0	1	1	0	1	0	1	5	3	1	3	1	17
85 " " 95 "	0	0	0	0	0	1	0	0	0	0	0	0	1
													3,612

Females.

Births to 3 years.....	15	20	13	18	13	30	21	20	20	18	14	20	222
3 yrs. to 15 "	47	55	45	61	45	50	79	69	55	79	59	51	695
15 " " 25 "	45	40	29	55	36	51	50	59	38	55	58	42	558
25 " " 35 "	39	30	28	48	28	53	44	46	41	44	62	40	503
35 " " 45 "	24	22	19	23	16	25	36	39	28	24	24	37	317
45 " " 55 "	18	8	7	15	10	16	23	24	18	25	30	27	221
55 " " 65 "	6	4	4	4	9	6	7	17	15	22	24	14	132
65 " " 75 "	2	5	5	7	4	2	2	8	5	11	5	11	67
75 " " 85 "	0	0	0	0	0	0	0	0	2	1	0	1	4
85 " " 95 "	0	0	0	0	0	0	0	0	0	0	0	0	0
													2,719

Residents of Boston....	252	208	210	268	208	268	290	280	285	289	309	208	3,075
Residents of Mass.....	202	205	144	239	157	300	328	339	297	331	316	299	3,157
Residents of Maine.....	2	2	2	1	2	3	2	0	2	0	3	3	22
Residents of N. H.....	9	2	3	2	2	4	1	4	4	4	5	3	43
Residents of Vermont..	0	1	0	1	1	1	1	1	0	0	0	3	9
Residents of R. I.....	0	2	0	0	0	0	1	0	2	0	1	1	7
Residents of Conn.....	1	0	0	1	0	0	0	1	1	0	0	0	4
Res'nts of other States,	0	0	0	0	0	2	0	1	0	1	1	0	5
Res'nts of British Prov.	0	1	1	1	0	1	0	0	0	1	2	2	9

New Patients.....	466	421	360	513	370	579	623	626	591	626	637	519	6,331
Old Patients	1,150	1,155	1,224	1,425	1,236	1,697	1,800	1,758	1,529	1,477	1,561	1,573	17,585
Totals	1,616	1,576	1,584	1,938	1,606	2,276	2,423	2,384	2,120	2,103	2,198	2,092	23,916

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, and concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses while on duty are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is ten dollars ($10) per month.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1899.

The Managers desire to gratefully acknowledge the receipt of the following donations in 1899:—

Games for children, from Mrs. Putnam.

Old linen, etc., from "Clinton, Mass."

One dozen dolls, from Mrs. Chas. P. Curtis.

Toys, from Mrs. Wm. P. Seabury.

One dozen dolls, from Mrs. Chas. P. Curtis.

Forty-two pieces underclothing and bed linen, from Boston Branch of the Needleworkers' Guild, through Mrs. G. P. Sanger.

Four pieces underclothing, from Mrs. Huston.

One hundred and one pieces underclothing, from Jamaica Plain Branch Needleworkers' Guild, through Mrs. Robert Morse.

Fancy crackers for the children, from Mrs. John Newman.

Old linen, from Mrs. Ricker.

Fifty-three pieces underclothing and bed linen, from Boston Sewing Circle.

Magazines, from Mrs. Brown.

Pictures, from Mrs. Louise Robinson.

Flowers during summer, from Boston Flower and Fruit Mission.

Forty pieces underclothing, from Employment Society, Trinity Church.

Children's clothing, sheets, dresses, etc., from Mrs. Jackson.

Forty-one pieces of clothing and bed linen, from Mrs. Wm. H. Seabury.

Knit scarfs, from Miss Catherine Jeffries.

Hand magnet, from Mr. Francis Blake.

Through the kindness of Mr. Wm. H. Seabury, one hundred and eighty inmates were enabled to have a large Christmas tree, each of whom received one or more valuable and useful presents.

SEVENTY-FIFTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1900.

THE

Massachusetts Charitable Eye and Ear Infirmary,

233 CHARLES ST., Cor. Fruit St., Boston.

OUT-PATIENT DEPARTMENT.

The Out-Patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A. M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent, between 10 and 11 A. M. and 2 and 3 P. M., ON WEEK DAYS ONLY.

Accident and emergency cases admitted at any time.

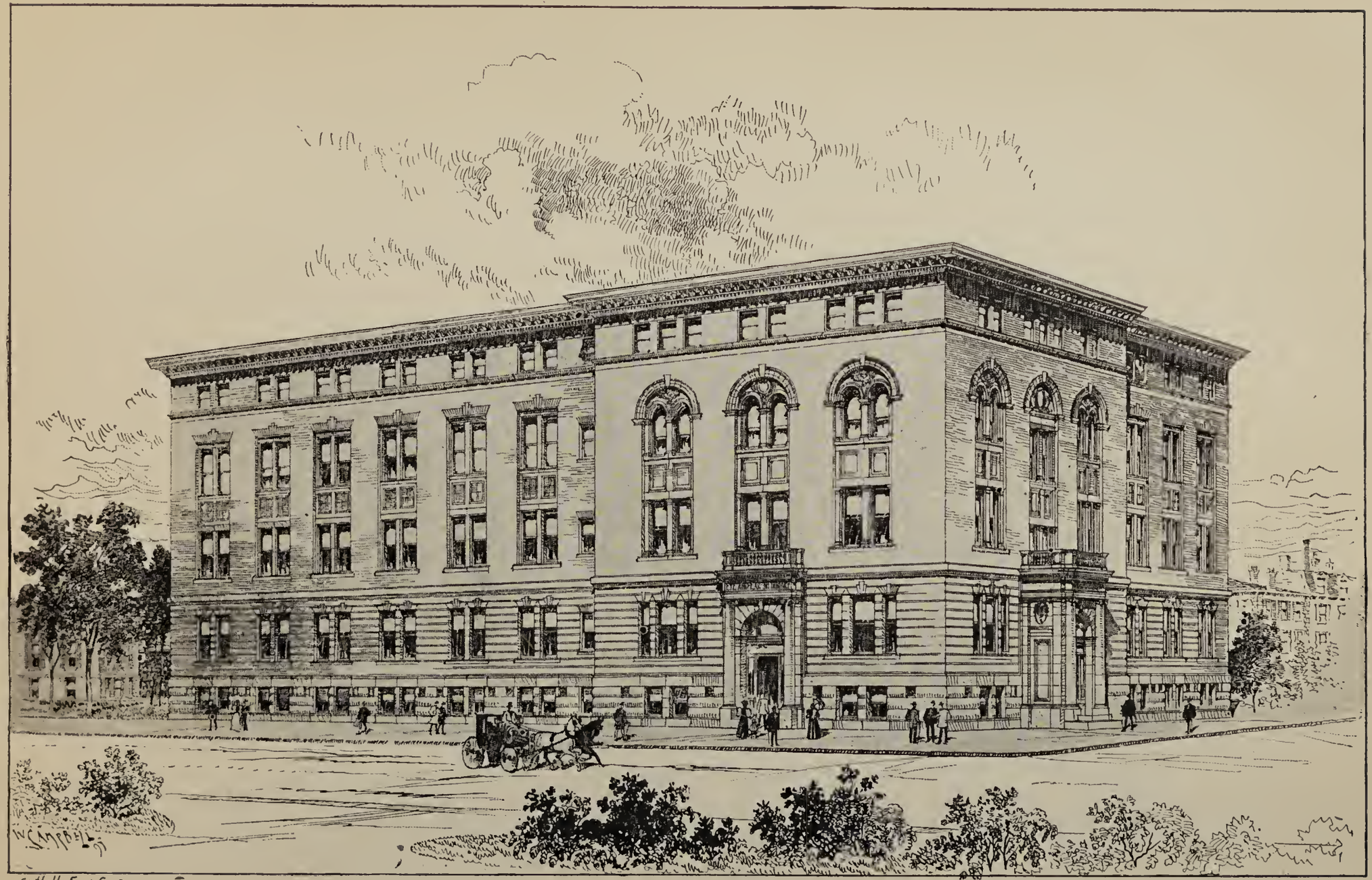
All communications in regard to the Infirmary, or in regard to any inmate, must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P. M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy,** and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.



Suffolk Eng. Co Boston

SEVENTY-FIFTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1900.

BOSTON:

PRESS OF ALFRED MUDGE & SON,

No. 24 Franklin Street.

1901.

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1900-1901.

*WILLARD P. PHILLIPS.
Dec. 31, 1872.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

CHARLES P. CURTIS.
Feb. 7, 1882.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

DR. JOHN HOMANS, 2D.
Oct. 26, 1893.

HENRY R. SHAW.
Feb. 6, 1894.

CHARLES LOWELL.
Oct. 25, 1894.

FRANCIS L. HIGGINSON.
Oct. 25, 1894.

*WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

E. ROLLINS MORSE.
Jan. 5, 1900.

EBEN S. DRAPER.
Jan. 5, 1900.

ROBERT HOMANS.
May 1, 1900.

President.

DR. JOHN HOMANS, 2D.

Secretary.

ROBERT HOMANS, 1035 EXCHANGE BUILDING, 53 STATE STREET, BOSTON.

Treasurer.

AUGUSTUS HEMENWAY, 10 TREMONT STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. CHARLES LOWELL.
WILLIAM H. SEABURY.

Finance Committee.

CHARLES P. CURTIS. CHARLES LOWELL.
FRANCIS L. HIGGINSON.

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* Appointed by the Commonwealth.

Visiting Committee.

January,	Mr. SEABURY.	July,	Mr. PARKMAN.
	Mr. HEMENWAY.		Mr. LOWELL.
February,	Mr. HEMENWAY.	August,	Mr. LOWELL.
	Mr. DRAPER.		Mr. HIGGINSON.
March,	Mr. DRAPER.	September,	Mr. HIGGINSON.
	Mr. MORSE.		Mr. SHAW.
April,	Mr. MORSE.	October,	Mr. SHAW.
	Dr. HOMANS, 2d.		Mr. HOMANS.
May,	Dr. HOMANS, 2d.	November,	Mr. HOMANS.
	Mr. CURTIS.		Mr. GARDNER.
June,	Mr. CURTIS.	December,	Mr. GARDNER.
	Mr. PARKMAN.		Mr. SEABURY.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M. D.
HENRY L. SHAW, M. D.
SAMUEL J. MIXTER, M. D.
HENRY W. BRADFORD, M. D.

Ophthalmic Surgeons.

B. JOY JEFFRIES, M. D.
H. BECKLES CHANDLER, M. D.
OLIVER F. WADSWORTH, M. D.
MYLES STANDISH, M. D.
FREDERICK E. CHENEY, M. D.
WM. DUDLEY HALL, M. D.

Aural Surgeons.

CLARENCE J. BLAKE, M. D.
J. ORNE GREEN, M. D.
FREDERICK L. JACK, M. D.
HENRY L. MORSE, M. D.

Assistant Ophthalmic Surgeons.

EDWIN E. JACK, M. D.
FRANK I. PROCTOR, M. D.
ALEXANDER QUACKENBOSS, M. D.
HENRY H. HASKELL, M. D.
WM. J. DALY, M. D.
W. B. LANCASTER, M. D.

Assistant Aural Surgeons.

EDWARD M. PLUMMER, M. D.
EUGENE A. CROCKETT, M. D.
PHILIP HAMMOND, M. D.

Ophthalmic Clinical Assistants.

L. W. MANSUR, M. D.
FRANK L. D. RUST, M. D.
A. GARDNER MORSE, M. D.
EDMUND W. CLAP, M. D.

Aural Clinical Assistants.

LEON E. WHITE, M. D.
GEORGE A. WEBSTER, M. D.

Pathologist.

FREDERICK H. VERHOEFF, M. D.

Consulting Neurologist to Aural Department.

JAMES J. PUTNAM, M. D.

Consulting Physician.

RICHARD C. CABOT, M. D.

HOUSE STAFF.

Ophthalmic House Surgeons.

EDMUND W. CLAP, M. D.
ELWOOD T. EASTON, M. D.
FRED M. SPALDING, M. D.
GEORGE H. RYDER, M. D.

Ophthalmic Externe.

ROBERT G. LORING, M. D.

Aural House Surgeons.

JOHN N. COGHLAN, M. D.
ROY B. CANFIELD, M. D.

Aural Externe.

WALTER A. LECOMPTE, M. D.

EXECUTIVE OFFICERS.

Superintendent.

FARRAR COBB, M. D.

Matron and Superintendent of Nurses.

MARY COONAHAN.

Apothecary.

HOWARD W. MORSE.

Assistant to the Superintendent.

JOHN G. SCHROEDER.

Assistant Matron.

ELIZABETH A. OGILVIE.

Supervisor.

MITCHELL A. DEARBORN.

Optician.

ANDREW J. LLOYD.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The Managers herewith present their Annual Report for the year ending September 30, 1900.

In presenting this report we desire to especially call attention to the great increase of work in all departments of the Infirmary, both in the care of patients in the House and in the Out-Patient Department. The Managers are therefore compelled to make an urgent appeal for contributions to enable them to properly care for all the deserving applicants. The details of this increase of work will appear in the later pages of the report.

We still retain the old Infirmary. The Managers feel that it will be wise to hold this property, as, when the new bridge is finished and certain improvements that are to be made in the immediate vicinity are completed, its value will be greatly enhanced.

The hospital year ending Sept. 30, 1900, was the first complete year of work in the new Infirmary, and therefore a review of this past year furnishes us the first opportunity to contrast the amount of work done in the old and in the new building.

The work in all departments has increased very largely The total number of patients treated in the wards in the last year was 2,180, or 700 more than during the last year in the

old Infirmary. Of this number of ward patients 826 were children under 14 years of age, an increase in the number of children cared for, as compared with the old building, of 400. The largest number of patients in the wards at any one time was 143. The daily average of patients in the wards throughout the year was 122; an increase over the average of patients in the old Infirmary of 40 a day. The work in the Out-patient Department also has been greatly increased. In the last year the total number of new patients treated was 26,247, or over 5,000 new patients more than in the last year in the old building. The total number of visits to the Out-patient Department was 73,051 an increase of 5,318 more than in 1899.

In the published report of last year special attention was called by the Managers to the very great importance to the Community and State of wards for contagious diseases of the eye. The wards for the treatment of these contagious diseases of the eye are in a smaller hospital building isolated from the main hospital. This building was given to the Infirmary by Mr. George A. Gardner. As was stated in the report of last year, this building is, so far as known, the only special building of the kind in the country.* This special work in this building has demanded rigid isolation and a distinct corps of trained nurses. During this last summer, being convinced of the growth of this work and the need of increased facilities of isolation, Mr. Gardner generously gave the money to build an additional story to this contagious hospital. The addition was completed in November, and while the alterations were going on the contagious cases were treated in one of the old Infirmary buildings which was temporarily fitted up for this purpose. The total number of

* (The New York Eye and Ear Infirmary is erecting a similar building).

these virulent and contagious cases of eye disease treated in the last year was 187, of which 88 were infants. It is very noteworthy that out of 230 eyes affected only 9 could not be saved. It seems as if such a showing as this was a most important sign of the high value of this work. It should be remembered that most of these cases unless treated would have become blind.

Thus it will be seen that the demands upon all departments of the new Infirmary, and especially by poor patients needing treatment in the general or special wards, have been markedly increased.

The total cost of maintenance, as by the accounts of the Superintendent, was $66,690.13, an increase of $13,964.09 over the running expenses of the previous year. This increase in expense has been occasioned by the largely increased demand upon all departments. In 1899 the total number of days' board furnished to patients was 35,901, in the last year 44,180, an increase of 8,279 actual days' board furnished, which largely accounts for the increase in expenditure.

The per capita expense per house patient per week has been, however, only $10.43. This expenditure includes the entire cost of maintaining the new plant in a condition of perfect efficiency and repair, also the running expenses of the contagious hospital.

If the demand from the community continues as large, and if the patients are to be cared for in the best manner and the hospital buildings kept up to their present standard, then this increase in expenditure must remain about as it is at present.

In September, the Managers, at the request of the Surgeons, created the office of Resident Pathologist and appointed Dr. F. H. Verhoeff, formerly of Johns Hopkins University, to the place. With the growth of the Infirmary the Managers and

Surgeons desire to make the greatest possible scientific and educational use of the Institution, feeling that hand and hand with relieving the worthy poor goes the opportunity of teaching other physicians and nurses.

The Managers regret to report the resignation, during the past year, of Dr. Gustavus Hay, who was for fourteen years Surgeon and for twenty-five years Consulting Surgeon to the Infirmary, and Dr. Frank I. Proctor, who was for eight years Ophthalmic Assistant Surgeon; also Mr. Frederic M. Stone, one of the Board of Managers, who was also the efficient Secretary of the Board.

Mr. E. Rollins Morse, Mr. Eben S. Draper and Mr. Robert Homans were elected Managers.

The Managers desire to acknowledge the following gifts and legacies during the year: —

Ellen R. Pickman, gift $25; F. H. Peabody, $25; Edward I. Browne, executor Elizabeth P. Peabody, bequest $24,398.93; trustees estate J. Putnam Bradlee, under instructions in will of Helen C. Bradlee, $25,000; executors will Robert C. Billings, legacy (less tax), $46,250; F. W. Hunnewell, gift $100; Mrs. James H. Crafts, gift $100; W. Y. Peters, bequest $500; Edward I. Browne, gift $500; Shepherd Brooks, gift $1,000; A. Lawrence Lowell, from estate of Augustus Lowell, $10,000.

HENRY R. SHAW,
EBEN S. DRAPER,
WM. H. SEABURY,
for the Board of Managers.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary,

FOR THE YEAR ENDING SEPT. 30, 1900.

INCOME.

RECEIPTS:		
Income from investments		$10,535 05
Income from trustees, will E. V. Ashton		1,400 00
Appropriation from State		25,000 00
Rebate bank tax		196 92
Refund sewer tax		334 67
Gifts towards running expenses		1,250 00
From Superintendent, per his report:		
Board of patients	$4,243 11	
Optician account	6,840 65	
Medicines	5,589 53	
Sundries	229 28	
		16,902 57
		$55,619 21
Excess of expenditures over receipts		20,517 59
		$76,136 80

EXPENDITURES.

Running expenses, per account of Superintendent		$60,440 42
Additional expenses, per account of Treasurer:		
Balance from last year's account (deficit preceding years),	$7,375 70	
Annuities	300 00	
Sundries (including interest on borrowed money)	1,287 29	
Insurance	153 37	
Printing and petties	330 31	
Mass. General Hospital, for heat, light and power	6,249 71	
		15,696 38
		$76,136 80

REPORT OF THE SUPERINTENDENT,

For the Year ending September 30, 1900.

STATISTICS OF HOUSE PATIENTS.

The number of patients treated in the wards was 2,180.

Of the 2,180 house patients, 1,332 were males, and 848 females.

Patients treated in Ophthalmic wards . . .	1,569
Patients treated in Aural wards	611

Of this number, 187 were treated in the Gardner Building, for contagious diseases; 88 of these were infants under one year.

Of the total number of patients treated in the wards, 826 were children under 14 years.

Daily average of patients in wards was 122.

Largest number of house patients at any one time in 1900 was 143, smallest number was 94.

Free patients admitted	1,231
Paying patients at $6.00 per week	265
Paying patients at less than $6.00 per week . .	575
Old patients remaining in wards, Sept. 30, 1899 .	109

The average stay per patient in the hospital under treatment was 19 days.

	Days.	*Weeks.*
Board furnished in 1899 . . .	35,901=5,128	5/7
Board furnished in 1900 . . .	44,180=6,311	3/7
Increase in 1900	8,279=1,182	5/7

RESIDENCE OF HOUSE PATIENTS.

Boston	881	Rhode Island	7
Massachusetts (excepting Boston)	1,194	Connecticut	5
Maine	14	Other States	2
New Hampshire	58	British Provinces	3
Vermont	15	England	1

OCCUPATION OF HOUSE PATIENTS.

MALES.

Actors	1	Photographer	1
Agents	12	Policemen	3
Bakers	3	Painters and Glaziers	20
Barbers	6	Porters	15
Butchers	7	Pedlers	20
Book-keepers	1	Physicians	2
Blacksmiths	17	Plumbers and Steam-fitters	6
Clerks	46	Printers and Compositors	8
Clergymen	3	Railroad Employees	25
Carpenters and Wood Workers,	51	Store-keepers	2
Cooks	8	Seamen and Fishermen	22
Coachmen and Hostlers	12	Shoe-makers	23
Engineers	11	Stone-masons	13
Firemen	6	Stone-cutters	35
Farmers	44	Soldiers	1
Electricians and Gas-fitters	2	Surveyors	1
Florists	1	Students	13
Gardeners	1	Teachers	2
Journalists	1	Teamsters	44
Letter-carriers	2	Tailors	11
Laborers	180	Waiters	9
Mill and Factory Operatives	125	Roofers	2
Machinists	31	Upholsterers	1
Musicians	1	Other occupations	3
Metal Workers and Moulders	32	Minors	436
Messengers	2	No occupation	8

FEMALES

Agents	1	Milliners	1
Artists	1	Mill and Factory Operatives	27
Book-binders	1	Nurses	15
Book-keepers	2	Proof-readers	1
Boarding-house Keepers	2	Students	1
Clerks	11	Stenographers	4
Cooks	4	Teachers	2
Curators of Botany	1	Telephone Operators	1
Domestics	120	Waitresses	2
Dressmakers and Seamstresses	11	Minors	419
Housewives	201	No occupation	30

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

1021 were well.
850 were relieved.
110 were not relieved.
33 left against advice.
21 died.
2 eloped.
17 not treated.
9 refused treatment.
5 were transferred to other hospitals, for other diseases.
112 remaining in the hospital, Sept. 30, 1899.

NUMBER OF OPERATIONS.

In the Ophthalmic Department there were 2,787 operations performed.

In the Aural Department there were 1,267 operations performed.

OUT-PATIENT DEPARTMENT.

New patients treated:

Ophthalmic: Males	9,990	
Females	9,445	
		19,435
Aural: Males	3,773	
Females	3,039	
		6,812
Total		26,247

Number of old patients treated in the Out-Patient Department was:

Ophthalmic	26,020	
Aural	20,784	
		46,804
Total visits in Out-Patient Department,		73,051

RESIDENCE OF OUT-PATIENTS.

Boston	13,599	Connecticut	12
Massachusetts (excepting Boston)	12,294	Other States	34
Maine	76	British Provinces . . .	21
New Hampshire . . .	159	England	2
Vermont	28	Total . . .	26,247
Rhode Island . . .	22		

OCCUPATION OF OUT-PATIENTS.

Agents	177	Metal Workers	460
Artists	17	Milliners	59
Bakers	59	Mill and Factory Operatives	1,640
Barbers	124	Moulders	25
Blacksmiths	163	Musicians	34
Bookbinders	39	Nurses	127
Book-keepers	144	Painters	195
Butchers	49	Pedlers	154
Carpenters	99	Photographers	7
Children	6,613	Physicians and Dentists	17
Clergymen	26	Plumbers and Steam-fitters	144
Clerks	1,534	Policemen and Letter-carriers,	38
Coachmen and Hostlers	98	Porters	119
Compositors and Printers	183	Street and Steam Railroad Employees	391
Cooks	113	Sailors and Soldiers	103
Cigar-makers	30	Seamstresses	501
Domestics	1,575	Shoemakers	177
Dressmakers	55	Stenographers	50
Electricians	89	Stone-cutters	247
Engineers	144	Store-keepers	69
Engravers	11	Students	162
Farmers	122	Tailors	347
Firemen	123	Teachers	95
Fishermen	42	Teamsters	487
Hatters	4	Telephone and Telegraph Operators	36
Hotel-keepers	32	Traders	2
Housewives	4,494	Waiters	221
Laborers	2,224	Wood Workers	517
Laundrymen	49	Other occupations	334
Leather Workers	21	No occupation	188
Masons	138		
Machinists	676	Total	26,247
Messengers	31		
Mechanics	73		

RECEIPTS AND EXPENDITURES FOR 1900.

RECEIPTS.

Board of Patients	$4,243 11
Drug department	5,589 53
Optical department	6,840 65
Sundries, receipts	229 28
Total	$16,902 57

EXPENDITURES.

Provisions	$14,090 64
Wines and liquors	334 49
Water rates	1,551 60
Gas and oil	280 30
Ice	345 35
Wages	22,239 22
Fuel	314 67
Medicines and dispensary	2,975 14
Stationery and printing	647 99
Optical and surgical departments' supplies	5,402 15
Repairs	3,030 73
Furnishings and supplies, general	4,777 78
Heat, light and power	1,679 80
Soap	227 72
Furniture	381 06
Contingent and sundries	2,161 78
Total	$60,440 42

To the above should be added $6,249.71 paid by the Treasurer for heat, light, and power. This is included in the per capita expense.

PER CAPITA EXPENSE.

The cost of maintenance per house patient, per week, was $10.43.

The cost of maintenance per inmate, per week, was $6.30.

The cost of subsistence per inmate, per day, was nineteen cents.

EXPENSES.

The total expenditure by the Superintendent has been $60,440.42 which is itemized as follows : —

Provisions		$14,090 64
Meat, fish, and poultry	$5,164 93	
Fruit and vegetables	1,641 47	
Bread and flour	602 65	
Milk	2,034 00	
Groceries	3,401 71	
Butter and eggs	1,245 88	
Wines and liquors		334 49
Water rates		1,551 60
Gas		280 30
Ice		345 35
Fuel, kitchen		314 67
Medicines and dispensary		2,975 14
Stationery and printing		647 99
Wages		22,239 22
Officers (Superintendent, Matron, Assistant Matron, Druggist)	4,561 57	
Clerks, office, clinic, and telephone.	2,155 00	
Engineer	480 00	
Night watchman	310 00	
Head nurses, permanent	1,978 00	
Post-graduate nurses	1,011 40	
Attendant nurses	1,836 99	
Special nurses	83 51	
Ward masters	2,023 50	
Orderlies	1,762 23	
Porters	1,274 23	
Kitchen department and dining rooms	1,448 89	
Laundry	1,854 36	
Sewing-room	236 00	
Ward maids	383 95	
Other female help	839 59	
Optical and surgical instruments		5,402 15
Cost of optical department	4,967 82	
Optical and surgical instruments and repairs on same	434 33	

Repairs		$3,030 73
Plumbing	$212 58	
Ice plant and laundry machinery	493 28	
Steam plant	362 13	
Electric lighting, etc.	126 50	
Furniture	164 40	
Carpentering	1,049 28	
Painting and glazing	425 77	
Kitchen range	38 55	
Terrazo floors	45 50	
Elevator	71 74	
Mason work	6 00	
House cleaning	35 00	
Furnishings and supplies		5,386 56
Soap	227 72	
Dining rooms	148 18	
Kitchen	64 53	
Blankets	132 00	
Linen room	87 92	
Surgical supplies	1,025 34	
Laundry supplies	295 27	
Steam plant supplies	67 02	
Paint	160 76	
Bacteriological laboratory supplies	36 90	
Electric fixtures and lamps	126 90	
Furniture	381 06	
Ice plant	108 66	
General supplies	1,680 14	
Uniforms:		
Doctors	67 33	
Nurses	220 94	
Orderlies	105 25	
Domestics	68 75	
Patients	381 89	
Contingent and sundries		2,161 78
Improvement	1,038 39	
Advertising	33 80	
Library	97 00	
Telephone	203 83	
General	709 72	
Grounds	45 00	
Training school	34 04	
Heat, light, and power		1,679 80

Of this amount $114.88 was expended for plumbing, repairs, cleaning, gas, etc., of part of the Aural building, of the old Infirmary, for the accommodation of the contagious cases while the addition to and alterations were being made in the isolated building.

The value of the stock on hand Oct. 1, 1900, was: —

Storeroom	$1,043 36
Druggist department	1,250 00
Provisions	110 00

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

The average number of nurses in daily attendance was twenty-four. The total number of graduate nurses taking the course was thirty-two. The number of applicants for the course was sixty-five. The number of graduates was twenty-six. Number failing to graduate was six. Fifty-two lectures were given by the Surgical Staff, and thirty-nine classes by the House Staff and the Superintendent of Nurses.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient Departments from Sept. 30, 1890, to Oct. 1, 1900, showing the yearly increase in the number of patients treated in each department, also the total number of patients treated in both departments during the past ten years: —

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1891	733	120	11,926	4,578	17,357
1892	753	250	12,573	4,471	18,047
1893	777	329	13,258	4,742	19,106
1894	791	277	14,260	5,109	20,437
1895	782	248	14,204	4,946	20,180
1896	912	285	15,359	5,545	22,101
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
Totals	9,684	3,264	150,337	53,354	216,639

A total of 203,691 new patients treated in the Out-Patient Department. As these patients made an average of three visits each, it brings the total number of visits of patients to 611,073.

Respectfully submitted,

FARRAR COBB, M. D.,
Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen, — A second year's experience in our new building has served to confirm the opinion expressed in our last report, that the hospital is most admirably adapted to fulfil the requirements of recent aseptic surgery. The addition of a new story to the contagious building, now in progress, will still further provide for the thorough isolation and care of those contagious cases which will find their way into and develop in any large institution in spite of the utmost precaution.

During the year a distinct step towards increasing the usefulness of the institution has been made in the appointment of a Resident Pathologist who will devote himself to pathological investigation. He promises to be useful not only through the pathological research which the profession has a right to demand from such abundant material as the Infirmary affords, but through his aid to the practice of the staff in giving authoritative opinions on cultures, tumors, etc. This appointment also adds very materially to our facilities for teaching. The appointment of two of our graduate nurses to take charge of other institutions is most complimentary to our training school and its efficient head, and the staff desires to express its full appreciation of the energetic and careful labors of the Superintendent and Matron.

J. ORNE GREEN,
O. F. WADSWORTH,
for the Full Board of Surgeons.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Lids.

Abscess	8
Blepharitis	3
Blepharospasm	1
Chalazion	1
Cyst	2
Dermatitis	1
Ectropion	7
Entropion	10
Epithelioma	5
Lippitudo	1
Lymphoma	2
Powder Burns	13
Ptosis	9
Specific Ulcer	1
Trichiasis	5
Wounds	19
Total	88

Lachrymal Apparatus.

Abscess	17
Dacryo-cystitis	1
Lachrymal Obstruction	8
Lachrymal Fistula	2
Mucocele	2
Total	30

Conjunctiva.

Burns	9
Conjunctivitis, Acute	7
Diphtheritic	3
Gonorrhœal	132
Granular	29
with Pannus	15
Muco-purulent	4
Phlyctenular	13
Cuts	1
Pterygium	3
Symblepharon	7
Tumor	1
Total	224

Cornea.

Abrasion	2
Abscess	2
Burns	11
Conical Cornea	1
Foreign Body	7
Keratitis:	
Interstitial	22
Phlyctenular	65
Simple	11
Superficial	14
Ulcerative	21
Vascular	7
Kerato-iritis	14
Kerato-scleritis	6
Kerato-sclero-iritis	1
Leucoma, partial	15
Total	1
Inflamed	7
Adherens	2
Staphyloma	8
Ulcers:	
Concentric	1
Dendritic	2
Hypopyon	37
Marginal	2
Perforating	3
Serpiginous	3
Simple	38
Traumatic	17

Tumor	1
Wounds	78
Total	398

ANTERIOR CHAMBER.

Foreign Body	2
Hyphæmia	3
Total	5

SCLERA.

Episcleritis	3
Scleritis	4
Wound of Ciliary Region	12
Wound of Sclera	11
with Staphyloma	1
Total	31

IRIS AND CILIARY BODY.

Blocked Pupil	10
Gumma of Iris	1
Iritis, Simple	39
Rheumatic	17
Specific	15
Hypopyon	7
Serous	2
Traumatic	9
Cyst of Iris	1
Ciliary Irritation	3
Irido-choroiditis	11
Irido-dialysis	3
Iritic Adhesions	7
Prolapsed Iris	2
Total	127

LENS.

Cataract, Capsular	65
Congenital	28
Complicated	6
Incipient	60
Mature	233
Traumatic	27
Foreign Body	1
Dislocated Lens	6
Total	426

OPTIC NERVE.

Hemianopsia	1
Neuro-retinitis	4
Optic Atrophy	5
Optic Neuritis	6
Total	16

CHOROID.

Choroiditis	4
Choroido-cyclitis	1
Metastatic Suppurative Choroiditis	1
Rupture of Choroid	1
Glaucoma, Acute	16
Simplex	18
Secondary	9
Total	50

VITREOUS.

Hemorrhage	3
Opacities	6
Total	9

RETINA.

Retinitis, Albuminuric	1
Central	1
Hemorrhagic	3
Separation	10
Total	15

GLOBE AND ORBIT.

Abscess of Frontal Sinus	3
Buphthalmos	2
Cellulitis of Orbit	6
Disorganized Globe	12
Intra-ocular Tumor	3
Exophthalmos	3
Luxatio Bulbi	1
Orbital Bands	3
Panophthalmitis	4
Periostitis of Orbit	3
Phthisis Bulbi	7
Foreign Body in Globe	21
Tumor of Orbit	2
Total	70

Muscular Affections and Neuroses.	
Heterophoria	2
Paralysis of 3d and 6th Nerves	4
Strabismus, Alternating	7
Convergent	60
Divergent	16
Vertical	2
Total	91

Miscellaneous.	
Herpes Zoster	1

Summary.	
Lids	88
Lachrymal Apparatus	30
Conjunctiva	224
Cornea	398
Anterior Chamber	5
Sclera	31
Iris and Ciliary Body	127
Lens	426
Optic Nerve	16
Choroid	50
Vitreous	9
Retina	15
Globe and Orbit	70
Muscular Affections and Neuroses	91
Miscellaneous	1
Total	1,581

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

Lids.

Abscess	1
Cyst of Brow and Lid	1
Ectropion	4
Entropion:	
Lower Lid	3
Green's Operation	10
Epithelioma	3
Plastic Operation	18
Ptosis	4
Grandemont	2
Pagenstecher	1
Panas	5
Wounds sutured	7
Total	9

Conjunctiva.

Peritomy	2
Plastic Operation	1
Pterygium	4
Stripping	8
Symblepharon	6
Tumor excised	1
Total	22

Cornea.

Cauterization Conical Cornea	1
Curetting	3
Foreign Body removed	3
Paracentesis for	
Conical Cornea	1
Glaucoma	2
Hyphæma	1
Hypopyon	1
Kerato-iritis	2
Saemisch	6
Staphyloma Anterior	1
Tumor of Cornea	1
Tattooing	1
Total	24

Iris.

Cyst of Iris	1
Iridectomy:	
Artificial Pupil	30
Blocked Pupil	1
Chronic Kerato-scleritis	1
Foreign Body in Iris	2
Freeing Anterior Synechiae,	4
Glaucoma	21
Preliminary to Cataract	3
Secondary to Cataract	5
Attempted Iridectomy	1
Irido-cystotomy	1
Iridotomy	11
Prolapsed Iris abscised	15
Prolapsed Iris cauterized	6
Prolapsed Iris replaced	2
Total	102

Muscles.

Advancement:	
External Rectus	31
Inferior Rectus	2
Internal Rectus	13
Superior Rectus	1
Tenotomy:	
External Rectus	14
Internal Rectus	58
Superior Rectus	1
Total	120

LENS.

Capsule Operation	155
Cataract:	
Attempted	2
Complicated	15
Linear Incision	5
Modified Graefe	83
Simple	54
With buttonhole Iris	43
Scoop Operation	3
Suction	14
Discission	83
Total	457

ENUCLEATIONS.

For Disorganized Globe	16
Foreign Body	2
Glaucoma	3
Injury	24
Irido-Cyclitis	6
Phthisis Bulbi	4
Sloughing Cornea	1
Staphyloma	5
Sympathetic Inflammation threatened	1
Tumor of Globe	3
Panophthalmitis	1
Intra-ocular Hemorrhage after Cataract	1
Enucleation with Insertion of Glass Ball in Tenon's Capsule	4
Total	71

MISCELLANEOUS.

Abscess of Orbit	1
Abscess of Lachrymal Duct	6
Excision Lachrymal Gland	2
Excision Lachrymal Sac	3
Dermoid Cyst Orbit	1
Excision Tumor of Orbit	1
Periostitis Orbit incised	1
Plastic of Orbit	3
Evisceration	8
Mule's Operation	3
Sclerotomy for separation Retina	3
Incision of Globe for Panophthalmitis	2
Probing for Bullet	1
Probing Lachrymal Duct	2
Foreign Body:	
Anterior Chamber	3
Sclera	2
Intra-ocular steel with Magnet	5
Attempted Magnet	5
Frontal Sinus	3
Exenteration Orbit	2
Wound Sclera	1
Other Operations	9
	75
Total	930

OUT-PATIENT OPERATIONS.

Abscess, Lachrymal	23
Lid	28
Chalazion	184
Cyst, Conjunctiva	3
Lid	28
Electrolysis	3
Foreign Body, Cornea	1,439
Conjunctiva	40
Globe	1
Lids	304
Sclera	2
Hordeolum	51
Lymphangiectasis	1
Molluscum Contagiosum	4
Milium	5
Pterygium	6
Verruca	6
Other Minor Operations	24
Total	2,142

OPHTHALMIC OUT-PATIENT DEPARTMENT.

New Patients (Male) . . 13,763 | New Patients (Female) . . 12,484

DISEASES OF OUT-PATIENTS.

Lids.

Abscess	43
Adenitis	13
Ankyloblepharon	1
Blepharitis	1,114
Burns	37
Chalazion	458
Cyst	31
Dermatitis	20
Ecchymosis	78
Ectropion	30
Eczema	34
Emphysema	6
Entropion	30
Epicanthus	4
Epithelioma	16
Erysipelas	1
Foreign Body	306
Granuloma	8
Growth	1
Hæmatoma	1
Herpes Zoster	7
Hordeolum	186
Lagophthalmus	18
Lipoma	1
Lippitudo	25
Lithiasis	3
Milium	9
Molluscum Contagiosum	8
Nævus	4
Œdema	60
Papilloma	4
Phthiriasis	18
Ptosis	59
Symblepharon	6
Trichiasis	58
Tumors	4
Ulcer	1
Verruca	9
Wound	65
Xanthelasma	5
Total	2,756

Lachrymal Apparatus.

Abscess	108
Epiphora	287
Fistula	1
Lachrymal Obstruction	182
Mucocele	68
Style in Lachrymal Duct	1
Total	647

Conjunctiva.

Burns	34
Conjunctivitis:	
Blenorrhœal	5
Catarrhal, Acute	630
Chronic	1,059
Diphtheritic	3
Follicular	171
Gonorrhœal	67
Granular	12
with Pannus	31
Muco-purulent	77
Neonatorum	44

Phlyctenular	315
Simple	1,601
Traumatic	216
Cuts	28
Cysts	14
Ecchymosis	201
Foreign Body	49
Hyperæmia	5
Lymphangiectasis	9
Œdema	9
Pinguecula	34
Pterygium	96
Tumor	1
Ulcers	9
Wounds	5
Total	4,925

Cornea and Sclera.

Abrasion	189
Abscess	1
Arcus Senilis	1
Buphthalmos	4
Cyst	1
Descemetitis	6
Episcleritis	39
Erosion Corneal Epithelium	1
Foreign-Body Cornea	1,509
Sclera	3
Facet on Cornea	3
Growth	1
Herpes	1
Infiltration of Cornea	90
Keratitis:	
Dendritic	1
Interstitial	72
Phlyctenular	379
Punctata Superficial	3
Simple	394
Traumatic	82
Vascular	18
Kerato-conus	15
Kerato-iritis	41
Kerato-sclero-iritis	1
Leucoma	355
Adherens	17
Leucoma, Inflamed	17
Maculæ	46
Megalo-cornea	4
Micro-cornea	1
Nebulæ	281
Opacities Cornea	29
Sclera pigmented	1
Hæmorrhage of Sclera	1
Scleritis	17
Sclero-keratitis	16
Sclerosed Cornea	1
Staphyloma of Cornea	5
Sclera	4
Ulcer of Cornea	398
with Hypopyon	37
Serpiginous	9
Traumatic	55
Vascular	15
Wound of Cornea	109
Sclera	5
Total	4,278

Anterior Chamber.

Foreign Body	2
Hyphæmia	30
Total	32

Iris and Ciliary Body.

Aniridia	1
Ciliary Injection	41
Hæmorrhages	1
Staphyloma	1
Coloboma	12
Displaced Iris	3
Foreign Body of Iris	3
Gumma of Iris	7
Irido-cyclitis	13
Irido-dialysis	5
Irido-donesis	18
Irido-scleritis	1
Irido-staphyloma	1

Iris Bombé	2
Irritated	1
Iritis, Rheumatic	183
Specific	79
Traumatic	67
Mydriasis	32
Artificial	66
Myosis	9
Occluded Pupil	18
Paralysis of Iris	1
Prolapse of Iris	24
Rupture of Iris	4
Tumor of Iris	1
Wound of Iris	2
Total	654

LENS.

Aphakia	1
Cataract:	
Capsular	19
Congenital	14
Cortical	1
Cretaceous	2
Incipient	158
Lamellar	2
Mature	283
Morgagnian	1
Nuclear	2
Posterior Polar	11
Traumatic	69
Dislocated Lens	14
Foreign Body	1
Opacities	164
Sclerosed	1
Total	743

VITREOUS.

Hæmorrhage	5
Hyalitis	13
Muscæ Volitantes	39
Opacities	118
Webs	11
Total	186

OPTIC NERVE.

Atrophy	76
Neuritis	17
Retro-bulbar	5
Total	98

RETINA.

Changes in Macula	22
Embolism, Central Artery	2
Glioma Retinae	2
Hæmorrhages in Macula	9
Neuro-retinitis	9
Œdema Retinae	5
Pigmentary Degen. Retina	10
Retinitis	29
Albuminuric	14
Disseminated	1
Hæmorrhagic	4
Separation of Retina	36
Total	143

CHOROID.

Atrophy	9
Choroiditis	87
Coloboma	4
Glaucoma	58
Hæmorrhages	1
Irido-choroiditis	1
Sympathetic	1
Retino-choroiditis	9
Rupture Staphyloma	2
Choroid	1
Sclerotico-Choroiditis, Posterior	1
Staphyloma, Anterior	10
Posterior	23
Total	207

GLOBE AND ORBIT.

Abscess Orbit	1
Anophthalmus	2
Argyle-Robinson Pupil	6
Cicatrix Orbit	13

Cyst Orbit	1
Cellulitis	3
Disorganized Globe	26
Emphysema Orbit	2
Exophthalmos	10
Foreign Body Globe	14
Hydrophthalmos	1
Irritable Orbit	9
Microphthalmus	4
Necrosis	2
Œdema Globe	1
Panophthalmitis	3
Periostitis	1
Phthisis Bulbi	38
Rupture Globe	3
Total	140

General Injuries.

Blows and Cuts	280
Burns	98
Total	378

Accommodation and Refraction.

Asthenopia	57
Astigmatism	1,789
Emmetropia	14
Hypermetropia	2,626
Myopia	866
Paralysis of Accommodation	9
Presbyopia	1,422
Total	6,783

Affections of Percipient Apparatus.

Amblyopia	87
Alcohol, Tobacco, etc.	21
Hysterical	1
Hemianopsia	2
Hemeralopia	1
Scotoma	13
Total	125

Muscular Affections and Neuroses.

Anisometropia	4
Blepharospasm	14
Ciliary Neuralgia	4
Conjugate Deviation	3
Diplopia	29
Esophoria	19
Exophoria	12
Facial Neuralgia	3
Hyperphoria	7
Locomotor Ataxia	2
Nictitation	12
Nystagmus	41
Occipital Neuralgia	2
Ophthalmoplegia, External	4
Paralysis, Facial	20
Sixth	4
Third	24
Seventh	5
of Inferior	2
of Rectus Muscle	17
Photophobia	10
Strabismus, Alternating	32
Convergent	358
Divergent	93
Transient	2
Supro-orbital Neuralgia	10
Total	733

Miscellaneous.

No disease	33
Ref. to other Institutions	64
Eloped	124
Unfit	444
Entered by mistake	38
Refused treatment	9
No diagnosis	95
Vision cases not refracted	652
Total	1,459

Other Diseases.	
Alopecia	5
Anæmia	22
Angio-Neurotic Œdema	2
Cerebral Hæmorrhages	1
Chlorosis	4
Ethmoiditis	1
Frontal Sinus	9
Herpes Frontalis	3
Ozæna	1
Seborrhœa Brow	2
Tetropsia	3
Total	53

SUMMARY OF DISEASES.

Lids	2,756
Lachrymal Apparatus	647
Conjunctiva	4,925
Cornea and Sclera	4,278
Anterior Chamber	32
Iris and Ciliary Body	654
Lens	743
Vitreous	186
Optic Nerve	98
Retina	143
Choroid	207
Globe and Orbit	141
General Injuries	378
Accommodation and Refraction	6,783
Affections of Percipient Apparatus	125
Muscular Affections and Neuroses	733
Miscellaneous	1,459
Other Diseases	53
Total	24,341

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF EXTERNAL EAR.

	R.	L.	B.
a. *Trauma*	0	1	0
b. *Neoplasms.*			
Cyst of auricle	0	1	0
Cyst of lobe	1	0	0
c. *Malformations.*			
Congenital lop-ears	0	0	1

II. DISEASES OF THE MEATUS.

a. *Inflammations.*			
Abscess	2	1	0
Acute diffuse inflammation	1	3	0
Eczema	1	0	0

III. DISEASES OF THE MIDDLE EAR.

Chronic secretory catarrhal inflammation	0	1	2
Adhesive catarrhal inflammation, secretory	0	1	4
Acute Inflammations.			
Simple	3	3	1
With mastoiditis	7	8	1
With adenoids	0	0	1
With abscess of meatus	1	0	0
Acute Suppurative Inflammations.			
Simple	1	3	3
With diffuse inflammation of external canal	1	0	0
With mastoiditis	62	69	6
With post-aural abscess	17	13	1
With preauricular abscess	0	1	0
With meningitis	0	1	0
With abscess of parotid	1	0	0

Chronic Suppurative Inflammation.

	R.	L.	B.
Simple	6	5	3
With granulations of the tympanum	0	1	0
With polypus in the tympanum	4	5	2
With caries in the meatus	2	0	0
With polypus in the tympanum and facial paralysis	1	0	0
With carious ossicles	5	7	2
With cholesteatome	1	0	0
With mastoiditis	16	32	3
With caries of mastoid	13	9	1
With caries of mastoid and tympanum	1	0	0
With meningitis	1	0	0
With facial paralysis	3	0	0
With caries of tympanum	2	0	0
With glands of the neck	1	0	0

Effect of Chronic Suppurative Inflammation.

Simple	0	1	1

MISCELLANEOUS.

Adenoids	0	139	0
Adenoids and tonsils	0	48	0
Tonsils	0	7	0
Deflected septum	0	2	0
Nasal spur	0	2	0
Fracture nasal septum	0	1	0
Ethmoid caries	0	1	0
Nasal polypi	0	1	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. AURICLE.

	R.	B.	L.
Abscess incised	2	0	0
Abscess of tragus incised	3	0	1
Abscess of lobe incised	1	0	2
Cyst removed	4	0	1
Cyst of lobe removed	1	0	0
Epithelioma of lobe removed	1	0	0
Hæmatoma incised	1	0	1
Foreign body removed	1	0	0

2. Meatus.

	R.	B.	L.
Abscess incised	14	0	8
Circumscribed abscess incised	9	2	17
Foreign body removed	4	0	0
Polypus removed	1	0	0

3. Tympanum.

Drum membrane paracentesis	304	39	300
Carious ossicles removed	7	0	2
Carious malleus removed	3	0	3
Carious malleus and incus removed	1	0	2
Granulations in tympanum removed	5	0	4
Polypus removed	42	1	27
Stapedius muscle tenotomy	1	0	0

4. Nose and Pharynx.

Nose, spur removed	13	0	11
Nose, polypus removed	9	0	2
Nose, turbinate snared	8	0	5
Deflected septum straightened	0	5	0
Nasopharynx, adenoids removed	0	126	0
Nasopharynx, adenoids and tonsils removed	0	58	0
Nasopharynx, tonsils removed	0	6	0

5. Mastoid Region.

Abscess, post-aural, incised	1	0	0
Abscess, sub-periosteal, incised	1	0	0
Abscess, neck, incised	4	0	6
Abscess, parotid, incised	5	0	0
Mastoid operations	79	0	91

Miscellaneous.

Various operations	10	0

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	1	0	1
Abscess of lobe	1	0	1
Abscess of tragus	2	0	0
Dermatitis	1	2	6
Eczema	18	20	17
Herpes zoster	1	1	1
Hæmatoma traumatic	0	0	2

b. *Deformities.*

Microtia	2	1	0

c. *Neoplasms.*

Cyst of auricle	2	0	1
Cyst of lobe	4	0	1

d. *Trauma.*

Auricle	2	1	1

2. Meatus.

Cerumen	339	745	305
Trauma	2	0	2
Abscess	12	2	7
Eczema	21	53	10
Acute diffuse inflammation	51	6	30
Acute diffuse inflammation with granulations	0	0	1
Acute circumscribed inflammation	38	8	47
Foreign body (animate)	5	0	4
Foreign body (inanimate)	17	0	14
Exostosis	2	0	1
Periostitis	1	0	0

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	8	0	10
Trauma indirect	2	0	2

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

	R.	B.	L.
Mucous	102	167	91
With adenoids	10	56	7
Serous	22	29	25
Serous, with adenoids	2	3	1
With labyrinthine disease	0	2	0

Chronic Secretory Catarrhal Inflammation.

With adenoids	15	63	16
Mucous	98	496	63
Serous	0	1	0
Serous, with adenoids	2	20	5

b. *Adhesive Catarrhal Inflammation.*

Secretory	78	209	29
Secretory, with labyrinthine disease	2	12	4
Insidious	17	73	26

c. *Acute Inflammation.*

Simple	294	80	202
With adenoids	5	7	11
With mastoiditis	15	1	10
With post-aural abscess	1	0	0

d. *Acute Suppurative Inflammation.*

Simple	280	105	225
With caries of mastoid	1	0	0
With mastoiditis	32	0	35
With mastoid abscess	2	0	1
With polypus in the tympanum	1	0	0
With post-aural abscess	10	0	3
With adenoids	10	6	12

e. *Chronic Suppurative Inflammation.*

Simple	230	127	197
With caries of mastoid	1	0	1
With mastoiditis	18	0	9
With mastoiditis and sub-periosteal abscess	0	0	1
With caries of the ossicles	15	2	5
With caries of the ossicles and granulations	3	0	1
With caries of the mastoid and facial paralysis	2	0	0

	R.	B.	L.
With caries of the mastoid and granulations tympanum	1	0	1
With facial paralysis	1	0	0
With cholesteatome	1	0	0
With abscess of parotid and facial paralysis	1	0	0
With polypus in the tympanum	38	0	30
With polypus in the meatus	1	0	0
With polypus in the tympanum and facial paralysis	1	0	0
With granulations in the tympanum	47	13	31
With granulations in the meatus	2	0	0
With adenoids	6	1	12
With caries of the incus	1	0	1
With post-aural abscess	1	0	1
With supra-aural abscess	1	0	0
Effect of suppurative inflammation	135	139	116
Effect of suppurative inflammation with adenoids	2	7	1
Effect of suppurative inflammation with polypus in the tympanum	1	0	0
4. Neuroses of Middle Ear.			
Otalgia from teeth	78	18	29
Otalgia from pharynx	2	0	2
Diseases of the Labyrinth.			
Labyrinthitis	4	16	7
Anæmia	1	1	0
Concussion	2	1	4
Hæmorrhage	0	1	0
Trauma	0	0	2
Miscellaneous.			
Adenoids	0	32	0
Adenoids and tonsils	0	17	0
Hypertrophic rhinitis	0	59	0
Atrophic rhinitis	0	19	0
Purulent rhinitis	0	7	0
Foreign body (nose)	0	1	0
Sarcoma (nose)	0	1	0
Eczema (nose)	0	1	0
Contraction of tensor tympani	0	3	0
Deflected septum	0	8	0
Eloped	0	22	0
No diagnosis	0	46	0
No ear disease	0	187	0
Unfit patients	0	93	0

STATISTICS, OCT. 1, 1899, TO OCT. 1, 1900.

EAR PATIENTS.

MALES.

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Total.
Births to 3 years.....	19	20	32	21	17	33	30	27	17	26	17	17	276
3 yrs. to 15 " ...	50	50	46	60	53	83	60	63	53	68	68	70	724
15 " " 25 "	47	45	47	51	43	78	76	75	71	62	66	57	718
25 " " 35 "	45	49	28	50	60	83	70	68	73	70	87	57	740
35 " " 45 "	33	27	39	42	38	45	45	52	48	61	63	49	542
45 " " 55 "	26	33	21	23	20	41	39	43	39	43	33	35	396
55 " " 65 "	9	13	11	24	15	31	27	20	25	16	36	20	247
65 " " 75 "	3	10	2	7	11	7	13	7	8	14	11	12	105
75 " " 85 "	1	5	5	0	1	1	1	0	2	5	2	0	23
85 " " 95 "	0	0	0	0	0	0	0	0	0	0	0	1	1
95 " "100 "	0	0	0	0	0	0	0	0	1	0	0	0	1
													3,773

FEMALES.

Births to 3 years.....	17	30	34	21	33	34	27	25	19	16	15	19	290
3 yrs. to 15 "	45	45	44	61	42	88	72	55	49	60	65	55	681
15 " " 25 "	35	30	26	36	47	66	69	55	48	62	47	41	562
25 " " 35 "	49	35	36	50	41	63	68	67	66	49	49	40	613
35 " " 45 "	36	23	22	30	32	40	39	49	22	25	29	31	378
45 " " 55 "	18	12	15	15	23	31	32	26	37	19	27	23	278
55 " " 65 "	10	5	18	10	9	21	14	29	15	12	8	8	159
65 " " 75 "	8	3	5	5	2	4	5	4	6	6	9	5	62
75 " " 85 "	1	1	0	0	0	1	1	1	3	2	2	3	14
85 " " 95 "	1	0	0	0	0	1	0	0	0	0	0	0	2
95 " "100 "	0	0	0	0	0	0	0	0	0	0	0	0	0
													3,039

Residents of Boston....	207	229	205	268	259	354	289	350	5 287	305	310	303	3,364
Residents of Mass.....	233	200	215	237	224	390	394	310	304	298	312	227	3,347
Residents of Maine.....	2	1	1	0	1	2	1	1	4	2	2	4	21
Residents of N. H.....	9	2	5	1	2	2	2	3	0	7	2	7	46
Residents of Vermont..	1	2	1	0	0	1	1	1	1	1	1	0	9
Residents of R. I.....	1	0	2	0	0	1	0	0	1	0	2	1	8
Residents of Conn.....	0	0	0	0	1	0	0	0	0	0	2	1	5
Res'nts of other States,	0	1	1	0	0	1	0	0	0	2	2	0	7
Res'nts of British Prov.	0	1	1	0	0	0	1	1		1	0	0	5

New Patients.....	453	436	431	506	487	751	688	666	602	616	633	543	6,812
Old Patients	1,445	1,493	1,378	1,396	1,403	2,232	2,274	2,280	1,778	1,673	1,738	1,694	20,784
Totals.....	1,898	1,929	1,809	1,902	1,890	2,983	2,962	2,946	2,380	2,289	2,371	2,237	27,596

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, and concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses while on duty are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is ten dollars ($10) per month.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1899–1900.

The managers desire to gratefully acknowledge the receipt of the following donations in 1889–1900.

Books for the Infirmary Library, from Dr. Francis P. Sprague.

Books for the Infirmary Library, from Dr. Oliver F. Wadsworth.

Current magazines, from Col. Wm. D. Sohier.

Clothing, from Channing Circle, Arlington Street Church, Boston.

Fifty Nightgowns, Sewing Circle, Trinity Church, Boston.

1 picture from Mrs. Jackson.

Clothing, from Boston Sewing Circle.

Old linen, from Miss Anna Wheeler.

Dolls, Mrs. C. P. Curtis.

Christmas greens, from Mr. Fred Pickering.

Christmas tree, from Mr. H. W. Morse.

Magazines, Anonymous.

Twelve pairs of blankets, from "A friend."

One hundred articles of clothing, Jamaica Plain Branch Needlework Guild.

Two barrels of apples, from Dr. F. L. Jack.

Flowers, from Hereford Club, Boston.

Flowers, from St. John's Church, Boston.

Flowers, from Boston Flower and Fruit Mission.

Candies, from Mrs. C. P. Curtis.

Box of clothing, from Mrs. Hudson.

Clothing, from Needlework Guild of America, through Mrs. Geo. P. Sanger.

Through the kindness and generosity of the following persons we were enabled to have a large Christmas tree with presents for over two hundred patients and employees.

Col. William D. Sohier, Mr. Wm. H. Seabury, Dr. John Homans, 2d., Mr. Geo. P. Gardner, Mr. H. R. Shaw, Mr. F. L. Higginson, Mr. H. Parkman, Mr. C. P. Curtis, Mr. F. A. Day, Mr. Charles Lowell, Mr. C. R. Simpkins, Mrs. Bayard Thayer, Mrs. S. H. Bennett, Mrs. E. P. Motley, Mrs. Dean Pierce, Mrs. H. H. Gay, Mrs. J. Hurd Hutchins, Mrs. F. A. Day, Mrs. Charles P. Curtis, Mrs. Charles P. Curtis, Jr., Mrs. Oliver Ames, 2d.

SEVENTY-SIXTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1901.

THE

Massachusetts Charitable Eye and Ear Infirmary,

233 CHARLES ST., Cor. Fruit St., Boston.

OUT-PATIENT DEPARTMENT.

The Out-Patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A. M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent, between 10 and 11 A. M. and 2 and 3 P. M., ON WEEK DAYS ONLY.

Accident and emergency cases admitted at any time.

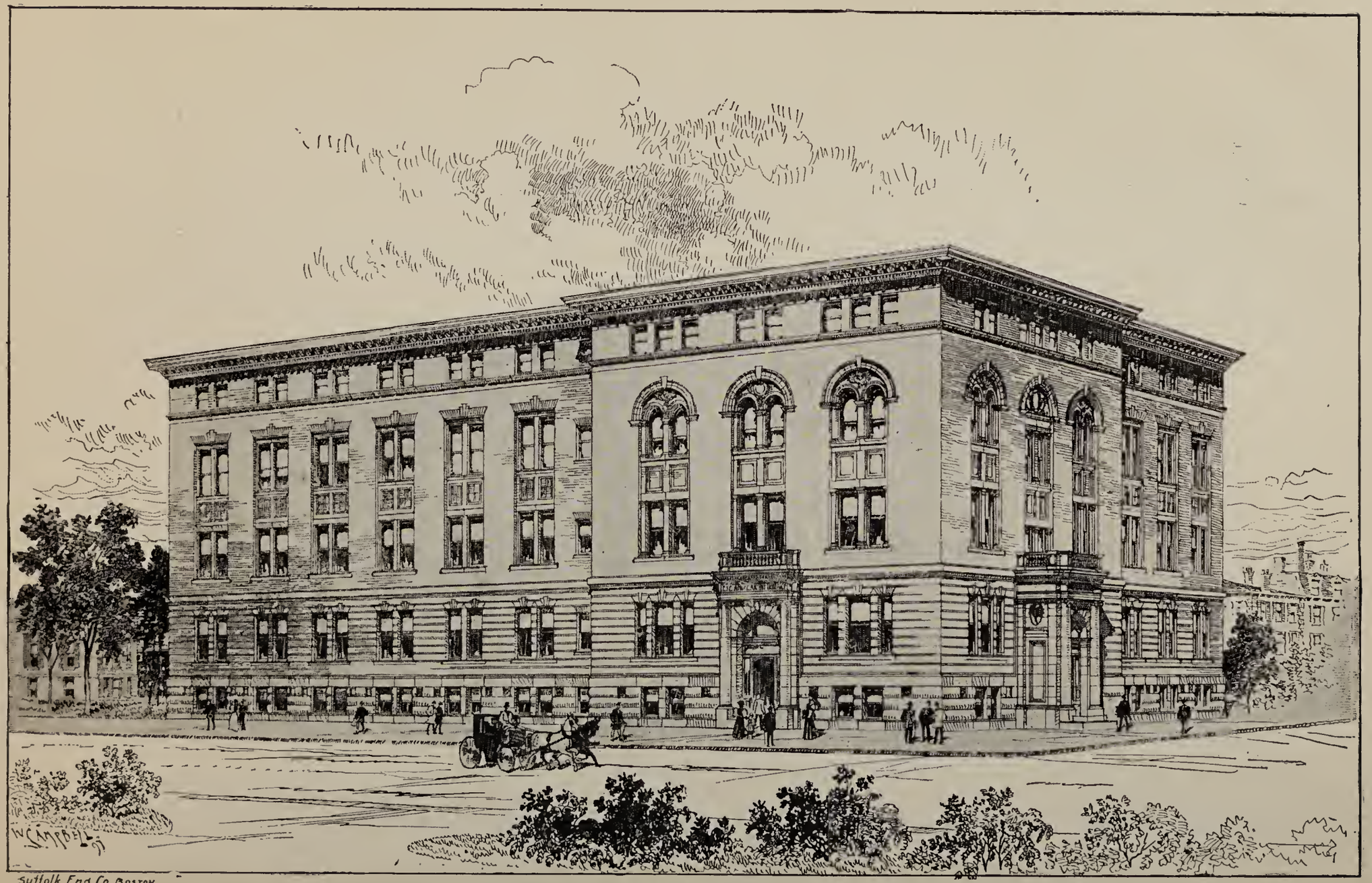
All communications in regard to the Infirmary, or in regard to any inmate, must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays and Sundays, from 2 to 3 P. M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy,** and *under no circumstances* for those who are not proper subjects for charitable treatment.

The infirmary reserves the right to investigate any case.



Suffolk Eng. Co Boston

SEVENTY-SIXTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1901.

JAMES M. KENNEDY,
PRINTER AND BLANK BOOK MANUFACTURER,
56 SUMMER STREET,
BOSTON.

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1901-1902.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

CHARLES P. CURTIS.
Feb. 7, 1882.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

DR. JOHN HOMANS, 2D.
Oct. 26, 1893.

HENRY R. SHAW.
Feb. 6, 1894.

FRANCIS L. HIGGINSON.
Oct. 25, 1894.

*WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

EBEN S. DRAPER.
Jan. 5, 1900.

ROBERT HOMANS.
May 1, 1900.

President.

DR. JOHN HOMANS, 2D.

Secretary.

ROBERT HOMANS, 1035 EXCHANGE BLDG., 53 STATE ST., BOSTON.

Treasurer.

AUGUSTUS HEMENWAY, 10 TREMONT STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. CHARLES LOWELL.
WILLIAM H. SEABURY.

Finance Committee.

CHARLES P. CURTIS. CHARLES LOWELL.
FRANCIS L. HIGGINSON.

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* Appointed by the Commonwealth.

Visiting Committees.

January,	Mr. SEABURY.	July,	Mr. PARKMAN.
	Mr. HEMENWAY.		Mr. LOWELL.
February,	Mr. HEMENWAY.	August,	Mr. LOWELL.
	Mr. DRAPER.		Mr. HIGGINSON.
March,	Mr. DRAPER.	September,	Mr. HIGGINSON.
			Mr. SHAW.
April,		October,	Mr. SHAW.
	Dr. HOMANS, 2d.		Mr. HOMANS.
May,	Dr. HOMANS, 2d.	November,	Mr. HOMANS.
	Mr. CURTIS.		Mr. GARDNER.
June,	Mr. CURTIS.	December,	Mr. GARDNER.
	Mr. PARKMAN.		Mr. SEABURY.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M. D. — SAMUEL J. MIXTER, M. D.
HENRY L. SHAW, M. D. — HENRY W. BRADFORD, M. D
B. JOY JEFFRIES, M. D.

Ophthalmic Surgeons.

H. BECKLES CHANDLER, M.D. — MYLES STANDISH, M. D.
OLIVER F. WADSWORTH, M.D. — FREDERICK E. CHENEY, M.D.
EDWIN E. JACK, M. D.

Aural Surgeons.

CLARENCE J. BLAKE, M. D. — FREDERICK L. JACK, M. D.
J. ORNE GREEN, M. D. — HENRY L. MORSE, M. D.

Assistant Ophthalmic Surgeons.

ALEX. QUACKENBOSS, M. D. — EDMUND W. CLAP, M. D.
HENRY H. HASKELL, M. D. — FRED M. SPALDING, M. D.
W. B. LANCASTER, M. D. — A. GARDNER MORSE, M. D.

Assistant Aural Surgeons.

EDWARD M. PLUMMER, M. D. — PHILIP HAMMOND, M. D.
EUGENE A. CROCKETT, M. D. — GEORGE A. WEBSTER, M. D.

Ophthalmic Clinical Assistants.

LEON W. MANSUR, M. D. — ARTHUR J. SHAW, M. D.
ELWOOD T. EASTON, M. D. — CHARLES SIAS WRIGHT, M. D.
JAMES P. GORAY, M. D. — CHARLES D. JONES, M. D.

Aural Clinical Assistants.

LEON E. WHITE, M. D.
ERNEST DE WOLFE WALES, M. D.

Pathologist.

FREDERICK H. VERHOEFF, M. D.

Consulting Neurologist to Aural Department.

JAMES J. PUTNAM, M. D.

Consulting Physician.

RICHARD C. CABOT, M. D.

HOUSE STAFF.

Ophthalmic House Surgeons.

ROBERT G. LORING, M. D. HARRY C. PARKER, M. D.

Ophthalmic Externe.

PETER H. THOMPSON, M. D.

Aural House Surgeon.

WALTER A. LECOMPTE, M. D.

Aural Externe.

D. HAROLD WALKER, M. D.

EXECUTIVE OFFICERS.

Superintendent.

FARRAR COBB, M. D.

Matron and Superintendent of Nurses.

MARY COONAHAN.

Apothecary.

HOWARD W. MORSE.

Assistant to the Superintendent.

JOHN G. SCHROEDER.

Assistant Matron.

FLORA L. PYKE.

Supervisor.

MITCHELL A. DEARBORN.

Optician.

ANDREW J. LLOYD.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The Managers herewith present their Report for the year ending September 30, 1901.

In making this Report, we desire to call renewed attention to the continued increase of work in all departments of the Infirmary, both in the care of patients in the wards and in the out-patient service. We are therefore compelled to make an urgent appeal for contributions to enable us to continue to care for the constantly increasing number of deserving applicants, and prevent an annual deficit.

The demands upon the Infirmary have increased more than one-third since the new buildings were occupied, but the increase in income available to care for the extra patients has not been proportionate.

For the year 1900, as published in our last Annual Report, the excess of expenditures over receipts was $13,000; this year, by most careful management, the deficit has been $10,434.23.

We have now completed two years in our new hospital and are glad to report that the buildings have proved satisfactory in every way and that, as stated by the Board of Surgeons in their report, "the results of the medical and surgical work during the year just closed have been such as to fully justify the Board of Managers in erecting our new and convenient hospital buildings."

The total number of patients treated in the wards during the past year was 2,490; 370 more than the year before. The average stay per patient, however, was reduced to 17 days, as compared with 19 days in the previous year. The daily average number of house patients was 118. There has been a marked increase in the proportion of children admitted; 976 were treated during the year in the wards. One hundred and fifty-one of the house patients were inmates of the Gardner Building for contagious diseases, 82 of whom were infants. The work of this contagious department during the year is most worthy of praise; at no time has the special care and nursing been so well done.

In December, the third or completely isolated floor of this building was opened for patients, and since then has proved a great blessing, by providing the Infirmary with proper isolation for the treatment of diphtheria of the eye, as well as other contagious diseases. In the detached wards of this floor 35 cases have been treated with entire safety. In the two lower floors of the building the work in contagious ophthalmia has been more than ever successful; of over 200 infected eyes, only 6 could not be saved. It would seem as if this was a remarkable showing. It should be noted that nearly if not all of these cases (the majority of them infants) would have become blind without this care. An analysis of the work of the various departments will be found in the report of the Superintendent.

The proportion of free patients has been, as in past years, very large; not one-half of the number admitted have been able to pay any board, and of the paying patients all but a very small number could pay only two or three dollars a week.

In the Out-Patient Departments the number of new

patients was 29,050, an increase over the year before of nearly 3,000; and the total attendance of patients, old and new, was 74,816.

The total cost of maintenance was $68,427.73; this includes the entire cost of running the hospital and keeping it in perfect repair. Deducting from the total expenditure the value of supplies on hand October 1st, gives a per capita expense per house patient per week of $10.64. It should be noted that the cost of maintenance also includes the furnishing of the nurses' rooms in the addition to the Gardner Building, the cost of the new Pathological Department (the salary of the Pathologist and laboratory equipment and supplies) and also the cost of indexing and card-cataloguing the Library and Records. When we consider the increase in the work in all departments, the increased special nursing that has been required by the addition to the contagious wards, and the fact that the buildings have been kept in complete repair, we feel that the expenditure for maintenance has been kept as low as possible and that the expense of the coming year must be fully as large if the demands upon the Infirmary and the present standard of work are kept up.

At the close of the year Dr. B. Joy Jeffries, after a service of 36 years as Ophthalmic Surgeon, resigned from the Visiting Staff, to the great regret of the Managers. In recognition of the long and devoted service of Dr. Jeffries, the Board of Managers voted:

"That the Board of Managers learn with much regret that Dr. B. Joy Jeffries, after 36 years of devoted and faithful service to the Infirmary, has declined to be considered as a candidate for reappointment to the position of Ophthalmic Surgeon.

"In view of the long-continued service of his father and himself and in appreciation of his marked ability, it is

voted that he be appointed to the Board of Consulting Surgeons and that two beds in the Infirmary be placed at his disposal."

The Managers regret to note the resignations of Dr. William Dudley Hall, Ophthalmic Surgeon, and Dr. William J. Daly, Assistant Ophthalmic Surgeon to the Infirmary. During the year Dr. Edwin E. Jack was appointed Visiting Ophthalmic Surgeon, and Drs. E. W. Clap, F. M. Spalding and A. G. Morse, Assistant Ophthalmic Surgeons. Dr. Webster was appointed Assistant Aural Surgeon.

In the spring Mr. E. Rollins Morse resigned as a member of the Board of Managers, on account of leaving the city, and his place has not yet been filled. Mr. Willard S. Phillips, for nearly 30 years a member of the Board, appointed by the State, died during the year.

The Managers desire to acknowledge the following gifts and legacies during the year: —

Ellen R. Pickman, gift $25; F. H. Peabody, gift $25; F. W. Hunnewell, gift $100; Arthur T. Lyman, gift $25; J. T. Spaulding, gift $25; Edward Frothingham, gift $100; Helen B. Emmons, gift $15; W. S. Dexter, executor Henry S. Saltonstall, bequest $10,000; Edward I. Browne, executor Elizabeth P. Parker, balance bequest, $787.99; F. G. Frothingham, executor Rebecca A. Goddard, bequest $500; executors will Samuel E. Sawyer, balance legacy $76.77.

HENRY PARKMAN,
HENRY RUSSELL SHAW,
EBEN S. DRAPER,
for the Board of Managers.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary

FOR THE YEAR ENDING SEPTEMBER 30, 1901.

INCOME.

RECEIPTS:

Income from investments		$11,836 72
Income from trustees, will E. V. Ashton		1,450 00
Income from Estate Robert B. Brigham		1,000 00
Appropriation from State of Massachusetts		25,000 00
Rebate bank tax		135 62
Gifts toward running expenses		315 00
From Superintendent, per his account:		
Board of patients	$4,550 67	
Optician account	8,298 31	
Medicines	5,946 67	
Sundries	461 04	
		19,256 69
		$58,994 03
Excess of expenditures over receipts		10,434 23
		$69,428 26

EXPENDITURES.

Running expenses, per account of Superintendent		$68,427 73
Additional expenses, per account of Treasurer:		
Annuities	$300 00	
Sundries	268 20	
Insurance	155 62	
Printing and petties	276 71	
		1,000 53
		$69,428 26

Report of the Superintendent

For the Year ending September 30, 1901.

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 2,490, an increase over the previous year of 370.

Of the 2,490 house patients, 1,539 were males and 951 females.

Number of patients treated in Ophthalmic wards .	1,636
Number of patients treated in Aural wards . .	854

Of this number 151 were treated in the Gardner Building, for contagious diseases; 82 of these were children under one year. A report on the special work of the Gardner Building follows later.

Of the total number of patients treated in the wards, 976 were children under 14 years.

The daily average of patients treated in the wards was 118.

The largest number of house patients at any one time in 1901 was 146, the smallest number 87.

Number of free patients admitted . . .	1,211
Paying patients at $6.00 per week . . .	453
Paying patients at less than $6.00 per week .	714
Old patients remaining in wards Sept. 30, 1900 .	112

The average stay per patient in the hospital under treatment was 17 days.

RESIDENCE OF HOUSE PATIENTS.

Boston	990	Rhode Island	7
Mass. (excepting Boston)	1,405	Connecticut	1
Maine	10	Other States	3
New Hampshire	63	British Provinces	3
Vermont	8		

OCCUPATION OF HOUSE PATIENTS.

MALES.

Actor	1	Policemen	7
Agents	6	Painters and Glaziers	25
Bakers	5	Porters	6
Barbers	12	Pedlers	16
Blacksmiths	24	Physician	1
Book-keepers	6	Plumbers and Steam-fitters	9
Butcher	1	Printers and Compositors	12
Broker	1	Railroad Employees	26
Clerks	48	Store-keepers	6
Clergyman	1	Seamen and Fishermen	29
Carpenters and Wood-workers,	57	Shoe-makers	21
Cooks	8	Stone–masons	13
Coachmen and Hostlers	12	Stone-cutters	37
Engineers	11	Soldier	1
Electricians and Gas-fitters	5	Salesmen	9
Firemen	3	Students	9
Farmers	35	Teachers	4
Gardeners	4	Teamsters	39
Hotel-keeper	1	Tailors	14
Janitors	9	Telegraph Operative	1
Journalists	3	Roofers	4
Laborers	204	Waiters	13
Laundrymen	5	Watchmen	3
Leather-workers	4	Upholsterers	2
Mill and Factory Operatives,	109	Other occupations	4
Machinists	40	Minors	577
Missionary	1	No occupation	9
Metal-workers and Moulders,	25		
Messenger	1		1,539

FEMALES.

Book-binder	1	Missionary	1
Boarding-house Keeper	1	Nurses	13
Clerks	8	Pedlers	2
Cooks	8	Student	1
Companion	1	Stenographers	4
Domestics	102	Teachers	2
Dressmakers & Seamstresses,	14	Waitresses	8
Hairdressers	2	Minors	494
Housewives	227	No occupation	29
Masseur	1		
Mill and Factory Operatives,	32		951

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

1,161 were well.
1,011 were relieved.
83 were not relieved.
56 left against advice.
34 died.
26 not treated.
1 eloped.
3 refused treatment.
10 were transferred to other hospitals, for other diseases.
105 remaining in hospital, September 30, 1901.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 991 operations performed in the house and 3,120 in the Out-Patient Department.

In the Aural Departments there were 522 operations performed in the house and 749 in the Out-Patient Department.

SPECIAL REPORT ON THE WORK IN THE GARDNER BUILDING.

During the past year 110 patients have been treated for gonorrhœal ophthalmia; of these 28 were in infants and adults, and were usually monocular. Eighty-two were in infants (ophthalmia neonatorum), and these were usually binocular. In adults and children one eye was lost before admission and one eye after admission. Fourteen corneæ were involved before admission and only 4 after admission. In infants 35 corneæ were involved before admission and only 3 involved after admission.

In not one case, in infants, has an eye been lost, the cornea of which was clear on admission; and only one in adults.

In not one case was an eye so badly damaged that enucleation was imperative. This means much in infants, as early enucleation often prevents the wearing of an artificial eye later in life.

Six cases of specific iritis were treated in Ward 2, as the patients had at the time of treatment other manifestations of the disease which rendered them a source of contamination to their fellows.

This ward was also very useful in isolating cases of erysipelas.

In the new top floor were treated 8 cases of diphtheritic conjunctivitis and 27 cases of other general infectious diseases which manifested themselves after the patients' admission to the hospital. Here the general treatment was carried on with special treatment, either eye or ear.

OUT-PATIENT DEPARTMENT.

New patients treated:

Ophthalmic:	Males	11,277	
	Females	10,603	
			21,880
Aural:	Males	3,700	
	Females	3,470	
			7,170
Total			29,050

Number of old patients treated in the Out-Patient Department was:

Ophthalmic	24,198	
Aural	21,568	
		45,766
Total visits in Out-Patient Department		74,816

RESIDENCE OF OUT-PATIENTS.

Boston	14,846	Other States	35
Mass. (excepting Boston)	13,795	British Provinces	26
Maine	70	England	2
New Hampshire	185	Poland	1
Vermont	47		
Rhode Island	28	Total	29,050
Connecticut	15		

OCCUPATIONS OF OUT-PATIENTS.

Agents	136	Mill and Factory Operatives,	2,141
Artists	25	Moulders	18
Barbers	146	Musicians	39
Bakers	68	Nurses	143
Blacksmiths	214	Painters	229
Bookbinders	39	Pedlers	213
Book-keepers	188	Photographers	10
Butchers	45	Physicians and Dentists	8
Carpenters	320	Plumbers	163
Clergymen	18	Porters	146
Clerks	1,441	Policemen and Letter-carriers,	53
Cigar-makers	219	Railroad Employees	817
Coachmen and Hostlers	142	Sailors and Soldiers	121
Compositors and Printers	207	Seamstresses	597
Cooks	173	Shoemakers	222
Domestics	1,686	Steam and Gas Fitters	31
Electricians	116	Stenographers	75
Engineers	162	Stone-cutters	277
Engravers	16	Storekeepers	68
Farmers	183	Students	182
Firemen	135	Tailors	409
Fishermen	52	Teachers	127
Hotel-keepers	10	Teamsters	596
Housewives	4,904	Telephone and Telegraph Operatives	29
Iron and Metal Workers	434	Waiters	253
Laborers	2,149	Wood-workers	170
Leather Workers	42	Other occupations	231
Laundresses	184	No occupation	275
Masons	145	Minors	6,958
Machinists	647		
Mechanics	95	Total	29,050
Messengers	36		
Milliners	72		

RECEIPTS AND EXPENDITURES FOR 1901.

RECEIPTS.

Board of Patients	$4,550 67	
Drug Department	5,946 67	
Optical Department	8,298 31	
Sundries, receipts	461 04	
		$19,256 69
Received from Treasurer		49,171 04
Total		$68,427 73

EXPENDITURES.

Provisions	$14,410 31
Soap	97 51
Gas	293 60
Wages	25,058 51
Medicines and dispensary	3,180 34
Furniture	517 29
Heat, light, power and kitchen fuel	6,486 92
Stationery and printing	639 88
Water rates	1,417 20
Ice	864 33
Furnishings and supplies, general	5,521 12
Optical and surgical instruments and supplies	6,503 12
Wines and liquors	626 03
Repairs	1,577 65
Contingent and sundries	1,233 92
Total	$68,427 73

The value of stock on hand October 1, 1901, was:—

House and surgical supplies	$1,060 80
Apothecary Department	1,500 00
Provisions	300 00

PER CAPITA EXPENSE.

Deducting value of stock on hand from above expense gives the cost of maintenance per house patient, per week, as $10.64.

The cost of maintenance per inmate, per week, was $6.03.

The cost of subsistence per inmate, per day, was nineteen cents.

EXPENSES.

The total expenditure by the Superintendent has been $68,427.73, which is itemized as follows: —

Provisions		$14,410.31
Meat, fish and poultry	$5,412.89	
Fruit and vegetables	1,637.04	
Bread and flour	792.70	
Milk	1,928.79	
Groceries	3,068.03	
Butter and eggs	1,570.86	
Wines and liquors		626.03
Water rates		1,417.20
Gas		293.60
Ice		864.33
Heat, light and power		6,080.61
Fuel, kitchen		406.61
Medicines and dispensary		3,180.34
Stationery and printing		639.88
Wages		25,058.51
Officers (Superintendent, Pathologist, Matron, Assistant Matron, Druggist)	$5,095.01	
Clerks, office, clinic and telephone	2,082.50	
Engineer	508.00	
Night watchman	460.00	
Painters	375.00	
Laboratory	456.00	
Ward masters	2,022.97	
Carpenter	316.67	
Orderlies	1,086.46	
Porters	1,562.87	
Head nurses	2,966.00	
Post-graduate nurses	731.44	
Special nurses	225.00	
Attendant nurses	2,427.50	
Kitchen and dining rooms	1,588.08	
Laundry	1,285.19	
Ward maids	597.94	
General	920.88	
Linen room	351.00	
Optical and surgical instruments		6,503.12
Cost of optical department	5,982.45	
Optical and surgical instruments	357.23	
Optical and surgical instruments, repairs	163.44	

Repairs		$1,577.65
Plumbing	$93.60	
Ice plant	152.63	
Laundry machinery	104.79	
Steam plant	286.58	
Electric lighting, etc.	16.35	
Furniture and awnings	87.85	
Carpentering	183.09	
Painting and glazing	184.61	
Kitchen range	109.36	
Elevator	34.64	
Grounds	140.20	
Telephone	133.20	
Sterilizers	50.75	
Furnishings and supplies		6,135.92
Soap	97.51	
Dining rooms	39.02	
Kitchen	42.00	
Linen room	406.14	
Surgical supplies	2,204.88	
Laundry supplies	165.89	
Steam plant supplies	46.61	
Paint	231.45	
Bacteriological laboratory supplies	98.81	
Furniture	517.29	
Electric fixtures and lamps	180.82	
General supplies	1,636.09	
Uniforms:		
Doctors	34.68	
Nurses	154.61	
Orderlies	63.50	
Domestics	38.40	
Patients	178.22	
Contingent and sundries		1,233.92
Sundries and training school	415.09	
Library	122.76	
Safe	179.50	
Improvements	154.15	
Postage	115.00	
Telephone	210.53	
Laboratory	14.39	
Grounds	10.50	
Advertising	12.00	

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

The average number of nurses in daily attendance was twenty-five. The total number of graduate nurses taking the course was twenty-eight. The number of applicants for the course was fifty-nine. The number of graduates was sixteen. Number failing to graduate was six. Remaining in class September 30, 1901, six. Forty-eight lectures were given by the Surgical Staff, and thirty-five classes by the House Staff and the Superintendent of Nurses.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient Departments from September 30, 1892, to October 1, 1901, showing the yearly increase in the number of patients treated in each department, also the total number of patients treated in both departments during the past ten years: —

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1892	753	250	12,573	4,471	18,047
1893	777	329	13,258	4,742	19,106
1894	791	277	14,260	5,109	20,437
1895	782	248	14,204	4,946	20,180
1896	912	285	15,359	5,545	22,101
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
Totals	10,489	3,984	160,291	55,946	230,710

A total of 216,237 new patients treated in the Out-Patient Department. As these patients made an average of three visits each, it brings the total number of visits of patients to 648,711.

Respectfully submitted,

FARRAR COBB, M. D.,
Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary.

Gentlemen: The results of the medical and surgical work during the year just closed have been such as to fully justify the Board of Managers in erecting our new and convenient Hospital Building. The completion of the new third floor to the isolation ward, with its separate entrance, has enabled the institution to care for its cases of diphtheria—ocular, aural and faucial—without their presence being a source of danger to the other occupants of the isolation ward. This has not only been of great benefit to the Hospital itself, but has enabled the patients to receive better care and have more comforts than was possible before the addition was erected.

The refraction work, the most burdensome portion of the ophthalmic out-patient service, has had more time devoted to it than in any previous year. A considerable portion of this fatiguing duty has been done by the clinical assistants, and several of the surgeons have taken on their service, as voluntary assistants, a number of the younger practitioners in ophthalmology in this city and vicinity, which has resulted in more time being expended on individual cases.

It is to be hoped that in the near future a better system of excluding patients who are in no sense objects of charity shall be devised Such people rob the poor of the time of the surgeons and of the benefits which they should

receive from the money generously given to the Hospital by its benefactors.

The Board of Surgeons regret the resignation of Wm. Dudley Hall, Ophthalmic Surgeon, and Wm. J. Daly, Assistant Ophthalmic Surgeon, each of whom rendered faithful service to this institution.

The thanks of the Board of Surgeons are given to Dr. Farrar Cobb, Superintendent, and Miss Mary Coonahan, Matron, for the prompt service and excellent discipline which have been maintained throughout the year.

For the Full Board of Surgeons,

MYLES STANDISH,
FREDERICK L. JACK.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Lids.

Abscess	4
Blepharitis	2
Blepharitis, Suppurative	1
Cyst	1
Ectropion	6
Entropion	14
Epicanthus, Congenital	2
Epithelioma	9
Erysipelas	2
Leprosy	1
Papilloma	2
Plexiform Neuroma	1
Ptosis:	
Congenital	6
Acquired	3
Sarcoma	1
Syphilitic Ulcer	1
Trichiasis	4
Tuberculosis	4
Tumors	3
Total	64

Lachrymal Apparatus.

Dacryo-cystitis	8
Fistula	4
Lachrymal Obstruction	9
Mucocele	2
Total	23

Conjunctiva.

Conjunctivitis:	
Acute	26
Diphtheritic	8
Gonorrhœal	28
in infants	82
Granular	38
with Pannus	8
Muco-purulent	2
Phlyctenular	9
Pterygium	6
Symblepharon	9
Tumors:	
Epithelioma	1
Lymphoma	1
Vernal Catarrh	2
Total	220

Cornea.

Keratitis:	
Fascicular	1
Interstitial	26
Phlyctenular	63
Simple	26
Superficial	7
Traumatic	5
Ulcerative	101
with Hypopyon	28
Dendritic	9
Marginal	2
Perforating	5
Serpiginous	4
Vascular	4
Kerato-iritis	7
Kerato-scleritis	9
Leucoma, Partial	17
Inflamed	10
Adherens	11
Staphyloma	11
Tumors:	
Fibroma	2
Dermoid	1
Total	349

Sclera.

Episcleritis	2
Staphyloma	2
Total	4

Iris and Ciliary Body.

Blocked Pupil	17
Iritis:	
Simple	24
with Gumma	6
Plastic	1
Rheumatic	22
Serous	1
Specific	25
Traumatic	1
Irido-cyclitis:	
Acute	10
Old	3
Iritic Adhesions	4
Irido-choroiditis	1
Total	115

Lens.

Cataract:	
Capsular	49
Congenital	23
Complicated	5
Incipient	9
Mature	181
Margagnian	2
Polar	1
Pre-senile	2
Total	272

Injuries.

Non-perforating:	
Cornea	6
Conjunctiva	5
Globe	5
with Hyphæma	8
with Dislocated Lens,	14
with Hemorrhage in Vitreous	2
with Irido-dialysis	4
Lids	22
Perforating:	
Cornea	77
with Foreign Body	28
Ciliary Region	13
with Foreign Body	8
Sclera	16
with Foreign Body	10
Burns:	
Conjunctiva	7
and Cornea	8
Cornea	19
Lids	4
Total	256

Optic Nerve.

Neuro-retinitis	1
Optic Atrophy	4
Optic Neuritis	3
Retro-bulbar Neuritis	2
Total	10

Choroid.

Choroiditis: Suppurative	2
Metastatic Carcinoma of Choroid	1
Sarcoma	6
Total	9

Retina.

Embolism Central Artery	1
Glioma	1
Retinitis:	
Albuminuric	1
Hæmorrhagic	1
Pigmentosa	1
Syphilitic	1
Separated Retina	7
Total	13

Globe and Orbit.

Cellulitus of Orbit	1
Disorganized Globe	20
Emphysema of Frontal Sinus	5
Glaucoma, Absolute	7
Acute	13
Chronic	8
Hemorrhagic	1
Simple	8
Secondary	7
Subacute	1
Hæmotoma of Orbit	1
Hydophthalmus	2
Intra Ocular Tumor	2
Panophthalmitis	5

Periostitis of Orbit	1
Phthisis Bulbi	10
Sympathetic Ophthalmia	3
Total	95

REFRACTION.

Myopia	2

MUSCULAR AFFECTIONS AND NEUROSES.

Atrophy Orbicularis Palpebrarum	1
Esophoria	1
Exophoria	2
Hyperphoria	2
Paralysis of 3d Nerve	2
6th Nerve	1
Strabismus:	
Convergent	63
Alternating	7
Divergent	8
Alternating	1
Vertical	1
Total	89

SUMMARY.

Lids	64
Lachrymal Apparatus	23
Conjunctiva	220
Cornea	349
Sclera	4
Iris and Ciliary Body	115
Lens	272
Injuries	256
Optic Nerve	10
Choroid	9
Retina	13
Globe and Orbit	95
Refraction	2
Muscular Affections and Neuroses	89
Total	1,521

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

LIDS.

Canthoplasty	7
Cyst of Brow and Lid	3
Ectropion	2
Entropion	4
Lower Lid	2
Green's Operation	5
Epithelioma	4
Electrolysis	3
Plastic	12
Ptosis	5
Levator advanced	1
Ptosis Pagenstecher	3
Panas	4
Scalping	2
Tumor excised	3
Wounds sutured	10
Total	73

CONJUNCTIVA.

Epithelioma	1
Plastic Operation	1
Pterygium	7
Scrubbed	2
Symblepharon	9
Stripping	13
Total	33

CORNEA.

Cauterized	19
Curetting	6
Foreign Body removed	16
Paracentesis	8
Ulcer Cornea	1
Saemisch	22
Staphyloma, anterior	2
Sutured	1
Tattooed	4
Tumor of Cornea	2
Total	81

IRIS.

Iridectomy:	
Artificial Pupil	42
For old Irido-cyclitis	2
Freeing Anterior Synechiæ	2
Glaucoma	16
Preliminary to Cataract	3
Iridotomy	5
Prolapsed Iris abscised	17
Prolapsed Iris replaced	2
Total	89

MUSCLES.

Advancement External Rectus	52
Internal Rectus	2
Inferior Rectus	2
Superior Rectus	1
Tenotomy External Rectus	6
Internal Rectus	83
Inferior Rectus	2
Superior Rectus	3
Total	152

LENS.

Capsule Operation	105
Cataract:	
Attempted	1
Complicated	12
Modified Graefe	73

Simple	73
With Buttonhole of Iris	26
Suction	21
Linear Incision	1
Discission	90
Total	402

ENUCLEATIONS.

For Disorganized Globe	14
Foreign Body	2
Glaucoma	7
Phthisis Bulbi	4
Injury	40
Intra-ocular Carcinoma	1
" Sarcoma	2
Irido-cyclitis	4
Staphyloma	7
Suppurative Choroiditis	2
Sympathetic Inflammation Threatened	1
Tumor of Globe	2
Panophthalmitis	6
With Plastic of Orbit	1
Total	93

MISCELLANEOUS.

Abscess of Orbit	4
Abscission of Vitreous	1
Dislocated Lens	2
Evisceration	7
Mules Operation	5
Foreign Body:	
Anterior Chamber	2
Vitreous, Magnet	1
Attempted Magnet	9
Frontal Sinus	3
Magnet with Iridectomy	2
Magnet Operations for Intra-ocular steel	28
Probing Lachrymal Duct	1
Extirpation of Lachrymal Gland	4
" " " Sac	1
Total	68
Total	991

OUT-PATIENT OPERATIONS.

Abscess, Lachrymal	24
" Lid	34
" Orbit	1
Chalazion	169
Cornu-cutaneum	1
Cyst of Lid	20
Electrolysis	3
Entropion	2
Foreign Body, Conjunctiva	36
" " Cornea	2,412
" " Lid	297
" " Sclera	2
Hordeolum	56
Pterygium	30
Papilloma	7
Tumor of Lid	2
Tenotomy of Internal Rectus	2
Verruca	5
Other Minor Operations	17
Total	3,120

OPHTHALMIC OUT-PATIENT DEPARTMENT.

New Patients (Male) .	11,277	New Patients (Female) .	10,603

DISEASES OF OUT-PATIENTS.

Lids.

Abscess	52
Ankyloblepharon	2
Blepharitis	1,179
Burns	54
Canities	3
Chalazion	424
Cornu-cutaneum	3
Cysts	29
Dermatitis	27
Ecchymosis	89
Ectropion	37
Eczema	25
Epicanthus	2
Emphysema	2
Entropion	35
Epithelioma	20
Erythemia	1
Foreign Body	303
Granuloma	9
Herpes Zoster	6
Hordeolum	150
Lagopthalmus	5
Lippitudo	24
Lithiasis	1
Molluscum	2
Naevus	4
Oedema	60
Papilloma	11
Phthiriasis	20
Ptosis	55
Symblepharon	4
Trichiasis	62
Tumors	7
Ulcers	2
Verruca	9
Wound	56
Xanthelasma	2
Total	2,776

Lachrymal Apparatus.

Abscess	87
Epiphora	287
Lachrymal Obstruction	190
Fistula	7
Mucocele	69
Style in duct	1
Tumor	1
Total	642

Conjunctiva.

Burns	40
Conjunctivitis :	
Blennorrhoea	13
Catarrhal, acute	694
Chronic	955
Diphtheritic	13
Follicular	110
Gonorrhoeal	57
Granular	187
with Pannus	28
Muco-purulent	69
Neonatorum	56

Phlyctenular	288
Simple	1,840
Traumatic	189
Cuts	24
Cysts	7
Ecchymosis	166
Foreign Body	41
Hyperæmia	4
Lymphangiectasis	2
Œdema	5
Pinguecula	39
Pterygium	106
Tumor	1
Ulcer	5
Wound	3
Total	4,942

CORNEA AND SCLERA.

Abrasion	190
Abscess	5
Atrophy	3
Burn	35
Buphthalmos	2
Corectopia	2
Cyst	2
Descemetitis	1
Dermoid	1
Epithelioma	1
Episcleritis	57
Erosion	1
Facet Cornea	5
Foreign Body Cornea	2,162
Sclera	6
Growth	1
Herpes	2
Infiltration of Cornea	81
Keratitis:	
Dendritic	18
Interstitial	52
Phlyctenular	369
Punctate Superficial	2
Simple	283
Traumatic	69
Vascular	19
Kerato-conus	7
Kerato-iritis	48
Leucoma	230
Adherens	20
Inflamed	36
Maculæ of Cornea	40
Micro-cornea	1
Nebulæ	305
Opacities of Cornea	18
Pigmented Sclera	1
Rupture of Sclera	1
Cornea	5
Scleritis	18
Sclero-keratitis	18
Staphyloma of Cornea	2
Sclera	3
Tumor of Cornea	5
Ulcer of Cornea	292
with Hypopyon	26
Serpiginous	1
Traumatic	53
Vascular	7
Wound of Ciliary Region	2
Cornea	92
Sclera	15
Total	4,615

IRIS CILIARY BODY.

Bombe Iris	3
Ciliary Injection	31
Coloboma	8
Cyclitis	1
Gumma	2
Hemorrhage	1
Irido-cyclitis	10
Irido-dialysis	4
Irido-donesis	20
Irido-plegia	2
Iritis:	
Rheumatic	70
Specific	160
Traumatic	53
Mydriasis	27
Artificial	55

Myosis	5
Occluded Pupil	18
Œdema	1
Prolapse	17
Rupture	2
Superciliary Neuralgia	1
Staphyloma	1
Synechia, Anterior	32
Posterior	18
Wound	2
Total	544

Lens.

Cataract, Capsular	18
Congenital	13
Cortical	3
Incipient	192
Mature	195
Nuclear	6
Post-polar	14
Traumatic	78
Coloboma	1
Dislocated Lens	14
Foreign Body	1
Opacities	145
Total	680

Vitreous.

Hemorrhage	2
Hyalitis	16
Muscae Volitantes	29
Opacities	109
Webs	2
Total	158

Anterior Chamber.

Foreign Body	5
Hyphaemia	26
Total	31

Optic Nerve.

Atrophy	58
Neuritis	23
Retro-bulbar	6
Total	87

Retina.

Changes in Macula	17
Choroido-retinitis	1
Embolism Central Artery	4
Glioma	2
Hemorrhage in Macula	7
Neuro-retinitis	9
Oedema	1
Pigmentary Degeneration Retina	10
Retinitis	24
Albuminuric	18
Hemorrhagic	3
Separation of Retina	38
Total	134

Choroid.

Albinism	2
Atrophy	5
Choroiditis	70
Coloboma	6
Glaucoma	59
Hemorrhage	1
Irido-choroiditis	2
Retino-choroiditis	7
Rupture of Choroid	1
Staphyloma, Anterior	17
Posterior	32
Total	202

Globe and Orbit.

Abcess Orbit	1
Anophthalmos	30
Atrophy Globe	2
Argyle Robinson Pupil	1
Cellulitis	1
Cicatrix Orbit	1
Disorganized Globe	27
Emphysema Orbit	2
Exophthalmos	19
Foreign Body Globe	10
Irritable Orbit	10
Microphthalmus	1
Panophthalmitis	5

Phthisis Bulbi	23
Rupture of Globe	15
Supera orbital neuralgia	10
Sympathetic ophthalmia	1
Tumor globe	2
Total	161

GENERAL INJURIES.

Blows and cuts	270
Burns	93
Total	363

ACCOMMODATION AND REFRACTION.

Anisometropia	1
Asthenopia	82
Astigmatism	1,804
Emmetropia	3
Hypermetropia	2,740
Myopia	755
Paralysis of accommodation	20
Prebyopia	1,516
Total	6,921

AFFECTIONS OF THE PERCIPIENT APPARATUS.

Amblyopia	97
" (alcohol, tobacco, etc.)	16
Hemianopsia	3
Nyctalopia	2
Scotoma	28
Total	149

MUSCULAR AFFECTIONS AND NEUROSES.

Blepharospasm	23
Cataphoria	1
Diplopia	36
Esophoria	26
Exophoria	18
Exophthalmic-goitre	4
Hyperphoria	15
Locomotor-ataxia	3
Nictitation	12
Nystagmus	53
Ophthalmoplegia Internal	3
Paralysis, facial	24
" sixth	8
" third	66
" seventh	2
" inferior	1
Photophobia	15
Strabismus, alternating	37
" convergent	365
" divergent	99
Total	811

MISCELLANEOUS.

Eloped	43
Entered by mistake	22
No diagnosis	105
No disease	61
Vision cases not refracted	648
Referred to other Institutions	39
Refused treatment	8
Unfit	201
Total	1,127

OTHER DISEASES.

Anaemia	15
Chlorosis	2
Diabetes	1
Eczema	1
Frontal sinus	7
Ganglion	1
Gortric Tachycardia	1
Jaundice	3
Lupus	1
Neurasthenia	1
Open Foramen Ovale	1
Ticopsia	3
Tuberculosis	1
Total	38

SUMMARY OF DISEASES.

Lids	2,767
Lachrymal Apparatus	642
Conjunctiva	4,942
Cornea and Sclera	4,615
Anterior Chamber	31
Iris and Ciliary Body	544
Lens	680
Vitreous	158
Optic Nerve	87
Retina	134
Choroid	202
Globe and Orbit	161
General Injuries	363
Accommodation and Refraction	6,921
Affections of Percipient Apparatus	146
Muscular Affections and Neuroses	811
Miscellaneous	1,127
Other Diseases	38
Total	24,369

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF EXTERNAL EAR.

	R.	L.	B.
a. Trauma.			
Injury to canal	1	1	0
Burn of canal	1	0	0
b. Neoplasms.			
Epithelioma	2	0	0
Angioma	0	1	0
Cyst of canal	1	0	0
Cyst of auricle	1	0	0
c. Malformations.			
Congenital lop-ears	1	0	0
Microtia	1	0	0

II. DISEASES OF THE MEATUS.

a. Inflammations.			
Fracture external auditory canal	1	0	0
Abscess	1	0	0
Acute diffuse inflammation	2	3	2
Acute circumscribed inflammation	5	1	0
Acute circumscribed inflammation with post aural abscess	0	1	0

III. DISEASES OF THE MIDDLE EAR.

Acute secretory catarrhal inflammation	0	1	2
Acute secretory catarrhal inflammation with facial paralysis	1	0	0
Chronic secretory catarrhal inflammation	0	0	3
Adhesive catarrhal inflammation, secretory	0	1	3
Acute Inflammation.			
Simple	9	4	2
With mastoiditis	27	39	4
With adenoids	2	0	1
With acute circumscribed inflammation of meatus	0	3	0
With facial paralysis	1	0	0
With post aural abscess	0	1	0

Acute Suppurative Inflammations.

	R.	L.	B.
Simple	3	10	3
With mastoiditis	73	70	2
With mastoiditis and cervical abscess	1	0	0
With cervical abscess	1	0	0
With post aural abscess	5	6	0
With glands in neck	0	1	0
With mastoiditis and meningitis	0	1	0
With mastoiditis and facial paralysis	0	1	0
With mastoiditis and fracture temporal bone	0	1	0
With mastoiditis and cerebral abscess	0	1	0

Chronic Suppurative Inflammations.

Simple	12	13	3
With granulations in tympanum	4	2	2
With polypus in tympanum	10	11	0
With abscess in meatus	1	0	0
With carious ossicles	4	5	0
With cholesteatome	0	2	1
With cerebral abscess and cholesteatome	0	1	0
With polypus and caries in tympanum	1	0	0
With facial paralysis	0	1	0
With mastoiditis and fracture base of skull	1	0	0
With post aural swelling	3	1	0
With caries in tympanum	2	0	0
With caries in mastoid	2	1	2
With purulent rhinitis	0	1	0
With noma	0	1	0
With mastoiditis	15	19	1
With mastoiditis and polypus in tympanum	2	0	0
With mastoiditis and facial paralysis	1	2	0

Effect of Chronic Suppurative Inflammations.

Simple	3	2	1
With mastoiditis	0	2	0

DISEASES OF LABYRINTH.

Labyrinthitis	1	1	9

Miscellaneous.

	R.	L.	B.
Adenoids	0	0	295
Adenoids and tonsils	0	0	89
Tonsils	0	0	7
Deaf mute with adenoids	0	0	1
Deflected septum	0	0	1
Post operative hæmorrhage	0	0	1
Mastoid fistula with facial paralysis; gun shot wound	1	0	0
Nasal polypi	0	0	1
Fracture malar process	1	0	0
Atrophic rhinitis	0	0	1

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

	R.	B.	L.
Abscess of trogus incised	0	0	1
Abscess of lobe incised	1	0	2
Cyst removed	2	0	0
Cyst of lobe removed	1	0	0
Epithelioma removed	0	0	1
Othæmatoma incised	0	0	4
Congenital fistula of auricle excised	1	0	0

2. Meatus.

Abscess incised	37	3	53
Circumscribed abscess incised	4	1	5
Foreign body removed	3	0	1

3. Tympanum.

Drum membrane, paracentesis	348	62	293
Carious ossicles removed	2	0	2
Carious malleus removed	2	0	1
Carious malleus and incus removed	2	0	0
Granulations in tympanum removed	0	0	2
Polypus removed	43	1	38

4. Nose and Pharynx.

Nose, spur removed	0	14	0
Nose, turbinate removed	0	24	0
Nose, polypus removed	0	14	0
Deflected septum straightened	0	3	0
Naso pharynx, adenoids removed	0	271	0
Naso pharynx, adenoids and tonsils removed	0	124	0
Naso pharynx, tonsils removed	0	6	0

5. Mastoid Region.

	R.	B.	L.
Abscess, post-aural incised	1	0	4
Abscess, infra-aural incised	2	0	1
Abscess, peri-auricular incised	1	0	0
Cervical abscess incised	4	0	1
Cerebral abscess	1	0	2
Mastoid operations	73	1	91

Miscellaneous.

Various operations	11	0	6

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	0	0	1
Abscess of lobe	1	0	0
Abscess of tragus	2	0	0
Dermatitis	0	0	2
Eczema	47	12	50
Epithelioma	2	0	1
Erysipelas	2	0	2
Perichondritis	0	0	1
Hæmatoma traumatica	1	0	0
Herpes zoster	2	0	1
Congenital fistula of auricle	1	0	0

b. *Deformities.*

Microtia	4	0	0
Microtia with atresia meatus	0	1	0

c. *Neoplasms.*

Cyst of auricle	2	0	0
Cyst of lobe	1	0	1
Carcinoma	1	0	0
Othæmatoma	0	0	4

d. *Trauma.*

Auricle	0	0	1

2. Meatus.

	R.	B.	L.
Cerumen	538	563	421
Trauma	2	0	2
Atresia	1	0	1
Abscess	19	8	12
Eczema	25	18	13
Acute diffuse inflammation	48	1	30
Chronic diffuse inflammation	0	0	2
Acute circumscribed inflammation	92	8	101
Foreign body (animate)	11	0	10
Foreign body (inanimate)	15	0	12
Exostosis	0	0	2

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	10	0	11
Trauma indirect	3	0	4

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

Mucous	125	169	131
With adenoids	19	39	8
Serous	20	10	11
Serous with adenoids	25	107	40
With labyrinthine disease	1	0	0

Chronic Secretory Catarrhal Inflammation.

With adenoids	25	43	15
Mucous	150	220	120
Serous	2	3	7
Serous with adenoids	5	29	10
With labyrinthine disease	5	2	7

b. *Adhesive Catarrhal Inflammation.*

Secretory	45	361	147
Secretory with labyrinthine disease	7	10	22
Insidious	15	71	31

c. *Acute Inflammation.*

Simple	266	75	287
With adenoids.	55	24	38
With mastoiditis	27	1	31
With facial paralysis	1	0	0
With post-aural abscess	1	0	1
With mastoid abscess	1	0	0

d. *Acute Suppurative Inflammation.*

	R.	B.	L.
Simple	325	109	285
With caries of mastoid	1	0	0
With mastoiditis	40	0	44
With mastoiditis and meningitis	0	0	1
With post-aural abscess	9	0	10
With facial paralysis	0	0	1
With adenoids	24	7	20

e. *Chronic Suppurative Inflammation.*

Simple	264	160	191
With caries of mastoid	1	0	2
With mastoiditis	16	0	17
With caries of the ossicles	11	0	7
With caries of the ossicles and granulations	2	1	1
With caries of the mastoid and polypus in tympanum	1	0	1
With caries of the mastoids and granulations tympanum	1	0	0
With facial paralysis	0	0	1
With polypus in the tympanum	52	3	34
With polypus in the tympanum and facial paralysis	1	0	0
With granulations in the tympanum	58	13	45
With post-aural abscess	1	0	1
With gangrene of canal and lobe	0	1	0
With empyema of frontal sinus	0	2	0
With adenoids	8	26	3
With peri-auricular abscess	1	0	1
Effect of suppurative inflammation	213	116	131
Effect of suppurative inflammation with adenoids	10	4	6

4. Neurosis of Middle Ear.

Otalgia from teeth	65	33	45
Otalgia from pharynx	4	0	1

Diseases of the Labyrinth.

Labyrinthitis	9	10	8
Anæmia	1	0	1
Concussion	1	0	1
Hæmorrhage	1	0	0
Trauma	1	0	0

MISCELLANEOUS.

	R.	B.	L.
Adenoids	0	56	0
Adenoids and tonsils	0	35	0
Hypertrophic rhinitis	0	36	0
Atrophic rhinitis	0	39	0
Purulent rhinitis	0	10	0
Deaf-mutism	0	15	0
Foreign body (nose)	0	1	0
Polypus (nose)	0	1	0
Contraction of tensor tympani	0	0	1
Morbus acustici	2	1	2
Verruca	0	0	1
Deflected septum	0	3	0
Eloped	0	24	0
No diagnosis	0	35	0
No ear disease	0	89	0
Unfit patients	0	101	0

STATISTICS, OCT. 1, 1900, TO OCT. 1, 1901.

EAR PATIENTS.

MALES.

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total.
Births to 3 years.....	17	10	17	24	15	26	28	21	38	31	20	20	267
3 yrs. to 15 "	68	37	45	36	57	77	52	55	52	66	88	58	691
15 " " 25 "	46	38	39	55	59	86	47	56	60	73	77	48	684
25 " " 35 "	65	30	44	66	62	70	58	55	62	95	87	71	765
35 " " 45 "	48	31	36	45	42	54	52	40	40	61	65	44	558
45 " " 55 "	28	21	23	31	31	23	23	35	32	42	39	34	362
55 " " 65 "	21	10	16	18	12	15	20	13	16	34	35	23	233
65 " " 75 "	4	7	4	5	14	5	6	14	11	18	22	9	119
75 " " 85 "	4	1	0	1	0	0	0	2	2	1	5	5	21
													3,700

FEMALES.

Births to 3 years.....	22	16	17	30	17	25	16	35	33	21	31	14	277
3 yrs. to 15 "	55	41	48	52	51	75	56	62	57	75	72	58	702
15 " " 25 "	58	35	50	55	48	74	60	50	56	67	80	62	695
25 " " 35 "	56	40	33	53	41	55	55	52	45	80	73	56	639
35 " " 45 "	24	28	26	38	39	45	49	45	43	74	58	36	505
45 " " 55 "	26	17	10	30	21	24	31	38	41	50	63	28	379
55 " " 65 "	15	13	7	27	26	16	18	18	10	26	22	12	210
65 " " 75 "	7	16	2	6	0	5	5	3	2	3	1	6	56
75 " " 85 "	1	0	1	0	1	0	0	1	1	1	0	1	7
													3,470

Residents of Boston....	257	198	203	285	295	358	247	298	290	389	402	310	3,532
Residents of Mass.....	286	181	209	280	236	314	324	280	300	420	428	265	3,523
Residents of Maine....	2	5	2	1	1	0	1	6	1	2	1	1	23
Residents of N. H.....	6	2	3	3	3	1	3	2	4	3	5	5	40
Residents of Vt.....	7	1	0	1	0	1	0	1	1	1	1	0	14
Residents of R. I.....	2	1	0	1	0	0	1	2	1	0	0	1	9
Residents of Conn.....	1	1	1	1	1	0	0	1	1	2	0	1	10
Res'nts of other States,	1	2	0	0	0	1	0	2	2	0	1	1	10
Res'nts of British Prov.	3	0	0	0	0	0	0	3	1	1	0	1	9

New Patients.....	565	391	418	572	536	675	576	595	601	818	838	585	7,170
Old Patients.....	1,899	1,597	1,425	1,681	1,648	2,289	2,167	2,100	1,626	1,914	1,706	1,516	21,568
Totals.....	2,464	1,988	1,843	2,253	2,184	2,964	2,743	2,695	2,227	2,732	2,544	2,101	28,738

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is ten dollars ($10) per month.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1900-1901.

The managers desire to gratefully acknowledge the receipt of the following donations in 1900-1901 :—

Flowers, from Boston Flower and Fruit Mission.

Flowers, from Hereford Club, Boston.

Three barrels of apples, from Dr. Frederick L. Jack.

Current Magazines, from Col. Wm. D. Sohier.

Studs, pins, etc., for nurses' uniforms, from Mr. Harvey Clap.

Thirty-nine pieces of clothing, from Needlework Guild of America, through Mrs. Geo. P. Sanger.

Toys, from Miss Mary Dempsey.

Knit bandages, anonymous.

Greens and mistletoe, from Mr. English.

Greens, from Messrs Childs & Sleeper.

Toys, anonymous.

Thirty-six dolls, from Mrs. C. P. Curtis.

Fifteen children's tires, from Channing Circle, Arlington Street Church, Boston, through Mrs. A. Jackson.

Spectacles and eyeglasses, from Mrs. Robert Willard.

Spectacles and eyeglasses, from Miss Dresel.

Reprints for Infirmary Library, from Dr. B. Joy Jeffries.

Chrysanthemums, from Dr. E. L. Parks.

Through the kindness and courtesy of Dr. John Dixwell, the house patients were treated to a musical entertainment in the spring.

Through the kindness and generosity of the following persons, we were enabled to have a large Christmas tree with presents for over two hundred patients and employees: —

Mrs. Charles P. Curtis, Mrs. Charles P. Curtis, Jr., Mrs. Arthur Perrine, Mrs. Theodore Bremer, Mrs. S. H. Bennet, Mrs. S. A. Day, Mr. Wm. H. Seabury, Mr. H. W. Morse.

SEVENTY-SEVENTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1902.

THE

Massachusetts Charitable Eye and Ear Infirmary,

233 CHARLES ST., Cor. Fruit St., Boston.

OUT-PATIENT DEPARTMENT.

The Out-Patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A. M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent, between 10 and 11 A. M. and 2 and 3 P. M., ON WEEK DAYS ONLY.

Accident and emergency cases admitted at any time.

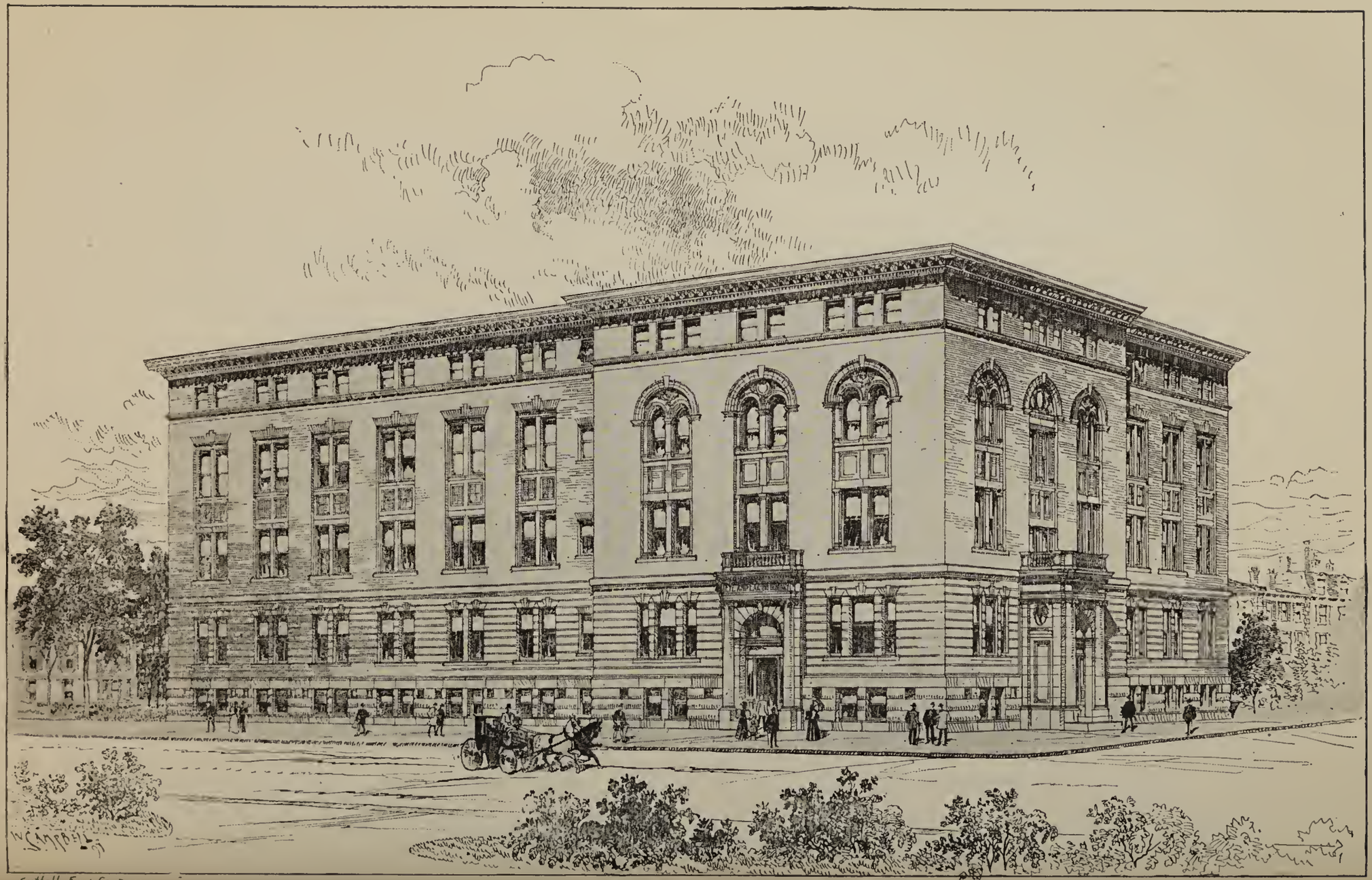
All communications in regard to the Infirmary, or in regard to any inmate, must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P. M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy**, and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.



Suffolk Eng Co Boston

SEVENTY-SEVENTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1902.

PRESS OF
ALFRED MUDGE & SON INC.
BOSTON.
1903.

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1902-1903.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

CHARLES P. CURTIS.
Feb. 7, 1882.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

CHARLES LOWELL.
Oct. 25, 1894.

FRANCIS L. HIGGINSON.
Oct. 25, 1894.

*WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

ROBERT HOMANS.
May 1, 1900.

WILLIAM S. SPAULDING.
Feb. 4, 1902.

*EBEN S. DRAPER.
Feb. 4, 1902.

DR. GEORGE B. SHATTUCK.
Oct. 30, 1902.

President.

DR. GEORGE B. SHATTUCK.

Secretary.

ROBERT HOMANS, 1035 EXCHANGE BUILDING, 53 STATE STREET, BOSTON.

Treasurer.

AUGUSTUS HEMENWAY, 10 TREMONT STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. CHARLES LOWELL.
WILLIAM H. SEABURY.

Finance Committee.

CHARLES P. CURTIS. CHARLES LOWELL.
FRANCIS L. HIGGINSON.

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* Appointed by the Commonwealth.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M. D.
HENRY L. SHAW, M. D.
SAMUEL J. MIXTER, M. D.
HENRY W. BRADFORD, M. D.
B. JOY JEFFRIES, M. D.

Ophthalmic Surgeons.

H. BECKLES CHANDLER, M. D.
OLIVER F. WADSWORTH, M. D.
MYLES STANDISH, M. D.
FREDERICK E. CHENEY, M. D.
EDWIN E. JACK, M. D.
ALEX. QUACKENBOSS, M. D.

Aural Surgeons.

CLARENCE J. BLAKE, M. D.
J. ORNE GREEN, M. D.
FREDERICK L. JACK, M. D.
EDWARD M. PLUMMER, M. D.

Assistant Ophthalmic Surgeons.

HENRY H. HASKELL, M. D.
W. B. LANCASTER, M. D.
EDMUND W. CLAP, M. D.
FRED M. SPALDING, M. D.
A. GARDNER MORSE, M. D.
LEON W. MANSUR, M. D.

Assistant Aural Surgeons.

EUGENE A. CROCKETT, M. D.
PHILIP HAMMOND, M. D.
GEORGE A. WEBSTER, M. D.
WALTER A. LECOMPTE, M. D.

Ophthalmic Clinical Assistants.

ELWOOD T. EASTON, M. D.
ARTHUR J. SHAW, M. D.
CHARLES SIAS WRIGHT, M. D.
CHARLES D. JONES, M. D.
ROBERT G. LORING, M. D.
PATRICK F. KELLEHER, M. D.
HARRY CALDWELL PARKER, M. D.

Aural Clinical Assistants.

LEON E. WHITE, M. D.
D. HAROLD WALKER, M. D.
JOHN HOWARD ALLEN, M. D.

Pathologist.

FREDERICK H. VERHOEFF, M. D.

Consulting Neurologist to Aural Department.

JAMES J. PUTNAM, M. D.

Consulting Physician.

RICHARD C. CABOT, M. D.

HOUSE STAFF.

Ophthalmic House Surgeons.

SAMUEL J. McDONALD, M. D. W. HOLBROOK LOWELL, M. D.

Ophthalmic Externe.

DAVID A. HEFFERNAN, M. D.

Aural House Surgeon.

E. DeWOLFE WALES, M. D.

Aural Externe.

FREDERIC E. BAUR, M. D.

EXECUTIVE OFFICERS.

Superintendent.

FARRAR COBB, M. D.

Matron and Superintendent of Nurses.

MARY COONAHAN.

Apothecary.

HOWARD W. MORSE.

Assistant to the Superintendent.

JOHN G. SCHROEDER.

Assistant Matron.

FLORA L. PYKE.

Supervisor.

MITCHELL A. DEARBORN.

Optician.

ANDREW J. LLOYD.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The Managers present herewith their Annual Report for the year ending September 30, 1902.

The year 1902 witnessed the highest degree of activity in the several departments of the hospital in the experience of the institution. The contagious eye wards were used continuously and a great part of the time to their utmost limit. The children's wards were used to their limit throughout the year. So marked indeed was the increase of the work of the hospital, that 394 patients were refused admission for a time because of lack of accommodation. All urgent cases needing immediate treatment were, however, admitted at once.

The number of patients treated in the wards was 2,338. The daily average number of patients was 123, an increase of 5 over the preceding year. The average stay per patient in the hospital under treatment was 18 days. The total number of days' board furnished was 44,895. Of the total number of patients treated in the wards, about 40 per cent were children under 14 years of age.

The number of new patients treated in the Out-patient Department was 30,019 an increase of 1,000 over last year. The total number of visits in the Out-patient Department was 76,905, an increase of 2,089 visits.

The running expenses of the Superintendent were $75,054.30.

The actual cost of taking care of one house patient for one week was $10.92, or 28 cents more per patient per week than last year. This increase is accounted for by the advance in price of provisions, also to the increased cost for heat, light and power, due to the great advance in the price of fuel. Several important improvements have been made and the hospital buildings have been kept in thorough repair and are in first-class condition in every way.

The Managers desire to call special attention to the large number of patients with contagious diseases treated in the Gardner Building; during the year 223 patients were treated in this department. A special report on these cases will be found in the Superintendent's report. Thirty-five of the above number were treated on the isolated floor of this building. Most of these cases were transferred from the general wards, having developed some infectious disease after admission to the hospital.

It is no exaggeration to say, that without this building the eyesight in the majority of these cases would have been lost. The importance of the work done in the Gardner Building can be properly estimated when it is remembered, that according to most conservative estimates 75 per cent of the total blindness in the world is due to the contagious purulent ophthalmia which has been so successfully treated here in the past year.

It is very gratifying to note the numerous inquiries from trustees and medical men both of Eye and Ear and General Hospitals throughout this country, and also from leading architects, in regard to the system, plans and specifications and methods of operation of the infirmary. This speaks highly for the present high standard attained by the infirmary as a thoroughly modern Eye and Ear Hospital.

Last spring our President, Dr. John Homans, 2d, died. At a meeting of the Board of Managers held August 5, 1902, the following resolution was passed: —

Resolved, That by the death of Dr. John Homans, 2d, this Board has sustained a heavy loss.

His interest in and care for the Infirmary during the many years he was a Trustee was of great benefit to the Institution.

As its President, his unfailing tact and executive ability have been of the utmost possible value in enabling us to improve and systematize the work of the Infirmary.

His constant thought of and judicious care for the welfare of our institution will be greatly missed by all its officers.

We feel his death with a keen sense of personal loss.

It is a matter of interest that for the first time there appears in the Annual Report the report of Dr. F. H. Verhoeff, the Pathologist to the Infirmary. The separate Pathological Department has proved of great benefit and has far more than ustified its establishment.

The Managers regret that Dr. Henry Lee Morse has resigned as one of the Aural Surgeons to the Infirmary. During the year Dr. Alexander Quackenboss was appointed an Ophthalmic Surgeon, and Dr. Leon W. Mansur an assistant Ophthalmic Surgeon.

Mr. Eben S. Draper resigned as a member of the Board of Managers as he had been appointed a Trustee of the Infirmary by the Commonwealth. Mr. William S. Spaulding has been eleeted to the Board of Managers, and since the end of the year Dr. George B. Shattuck has been elected President of the Infirmary.

The Managers desire to acknowledge the following gifts and legacies during the year:—

F. H. Peabody, gift, $25; F. W. Hunnewell, gift, $100; estate J. Putnam Bradlee, $50,000; executors of the will of Edward I. Browne, 71 per cent of legacy, $7,100; executors of the will of Robert C. Billings, amount of Internal War Revenue tax paid in April, 1900, on legacy, refunded by United States, $3,750.

The principal of some of these gifts has had to be used to meet the deficit in income for the annual running expenses

as shown by the Treasurer's Report. It must be apparent to all, therefore, that unless the public makes generous contribution, the work of the Infirmary will have to be lessened and deserving applicants for treatment will have to be turned away. The Managers consequently feel justified in making an urgent appeal for subscriptions.

HENRY PARKMAN,
EBEN S. DRAPER,
ROBERT HOMANS,
for the Board of Managers.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

INCOME, RECEIPTS AND DISBURSEMENTS

FOR THE YEAR ENDING SEPT. 30, 1902.

INCOME.

RECEIPTS:		
Income from investments		$13,047 89
Income from trustees, will E. V. Ashton		1,650 00
Income from estate Robert F. Brigham		1,000 00
Appropriation from State		25,000 00
Rebate bank tax		60 33
Gifts for running expenses		125 00
Income from Aural Surgeons' Fund		308 51
From Superintendent, as per his report:		
Board patients	$4,327 43	
Opticians' account	12,872 10	
Medicines	6,211 25	
Sundries	278 91	
		23.689 69
		$64,881 42
Excess of expenditures over receipts		20,633 86
		$85,515 28

EXPENDITURES.

Running expenses, per account of Superintendent		$75,054 30
Additional expenses, per account of Treasurer:		
Annuities	300 00	
Sundries	348 13	
Insurance	154 68	
Printing and sundries	253 37	
Adjustment of interest charges on heat, light and power plant at the Mass. General Hospital for the years 1899, 1900 and 1901	8,937 80	
Instruments	467 00	
		10,460 98
		$85,515 28

REPORT OF THE SUPERINTENDENT,

For the Year ending September 30, 1902.

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 2,338.

Of the 2,338 house patients, 1,383 were males and 955 females.

Number of patients treated in Ophthalmic wards .	1,572
Number of patients treated in Aural wards . .	766

Of this number 223 were treated in the Gardner Building, for contagious diseases; 74 of these were children under one year. A report on the special work of the Gardner Building follows later.

Of the total number of patients treated in the wards, 914 were children under 14 years.

The daily average of patients treated in the wards was 123.

The largest number of house patients at any one time in 1902 was 146, the smallest number 93.

Number of free patients admitted	1,162
Paying patients at $6.00 per week . . .	333
Paying patients at less than $6.00 per week . .	738
Old patients remaining in wards Sept. 30, 1901 .	105

The average stay per patient in the hospital under treatment was 18 days.

During the year 394 patients were refused admission for want of accommodation. Of this number 284 were subsequently admitted.

RESIDENCE OF HOUSE PATIENTS.

Boston	920	Rhode Island	17
Mass. (excepting Boston)	1,315	Connecticut	4
Maine	7	Other States	1
New Hampshire	64	British Provinces	2
Vermont	8		

OCCUPATION OF HOUSE PATIENTS.

MALES.

Actors	1	Musicians	1
Agents	6	Painters and Glaziers	24
Bakers	1	Pedlers	10
Barbers	10	Porters	16
Blacksmiths	26	Policemen	2
Book-keepers	2	Polo player	1
Book-binders	2	Printers and compositors	8
Butchers	2	Physicians and dentists	2
Carpenters and Wood-workers	54	Plumbers and steamfitters	12
Clerks	32	Railroad employees	20
Clergymen	1	Seamen and Fishermen	24
Cooks	4	Salesmen	12
Coachmen and hostlers	9	Shoemakers	23
Electricians	10	Stonecutters	45
Engineers	10	Students	9
Engravers	1	Storekeepers	3
Farmers	28	Tailors	13
Firemen	3	Teachers	2
Gardeners	4	Teamsters	32
Janitors	6	Telegraph operators	2
Laborers	188	Upholsterers	3
Laundrymen	2	Waiters	4
Lawyers	2	Watchmen	2
Letter carriers	1	Other occupations	11
Masons	16	Minors	485
Machinists	41	No occupations	13
Metal-workers and Moulders	27		
Mill and factory operatives	114		1,383
Missionary	1		

FEMALES.

Book-binders	1	Nurses	15
Book-keepers	1	Peddlers	1
Cooks	5	Saleswomen	1
Compositors	1	Stenographers	4
Clerks	6	Students	1
Domestics	74	Teachers	2
Dressmakers and seamstresses	19	Waitresses	3
Housewives	202	Minors	536
Lodging-house keeper	1	No occupation	45
Milliners	1		
Mill and factory operatives	35		955
Missionary	1		

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

727 were well.

1,279 were relieved.

56 were not relieved.

68 left against advice.

28 died.

30 not treated.

8 eloped.

9 were transferred to other hospitals, for other diseases.

133 remaining in hospital, September 30, 1902.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 893 operations performed in the house and 3,147 in the Out-Patient Department.

In the Aural Departments there were 766 operations performed in the house and 592 in the Out-Patient Department.

SPECIAL REPORT ON THE WORK IN THE GARDNER BUILDING.

During the past year 223 patients were admitted to the wards in the Gardner Building. Of these 101 had gonorrhœal ophthalmia; 57 occurring in infants soon after birth. There were 52 cases of purulent ophthalmia, not gonorrhœal, 9 of which were in infants.

The cornea was involved at the time of entrance in 29 of the gonorrhœal cases, 19 of which were infants, and in 12 of the simple purulent cases, one of which was an infant. The cornea was involved after admission in 2 cases, only, both of which were adults.

Saemisch's operation was performed on 8 cases complicated with ulcerative keratitis.

Enucleation was performed three times; twice for iridocyclitis, once for sympathetic inflammation threatened in the other eye. These were adult cases; there were none in children.

Six cases of specific iritis, showing other manifestations of the disease at the time of entrance were treated.

Six cases presenting the clinical picture of diphtheritic conjunctivitis were admitted to the contagious department, but on careful bacteriological examination, only one of these showed the true Klebs-Loeffler bacillus.

OUT-PATIENT DEPARTMENT.

New patients treated: —

Ophthalmic:	Males	11,760	
	Females	11,079	
			22,839
Aural:	Males	3,769	
	Females	3,411	
			7,180
Total			30,019

Number of old patients treated in the Out-Patient Department was: —

Ophthalmic	26,080	
Aural	20,806	
		46,886
Total visits in Out-Patient Department,		76,905

RESIDENCE OF OUT-PATIENTS.

Boston	15,308	Connecticut	13
Massachusetts (excepting Boston)	14,357	Other States	17
Maine	78	British Provinces	11
New Hampshire	166	England	1
Vermont	42	Total	30,019
Rhode Island	26		

OCCUPATIONS OF OUT-PATIENTS.

Actors	4
Agents	130
Artists	16
Bakers	65
Barbers	129
Blacksmiths	226
Book-binders	50
Book-keepers	183
Butchers	58
Carpenters	392
Clergymen	26
Clerks	1,671
Cooks	226
Coachmen and Hostlers	169
Compositors and Printers	213
Domestics	1,668
Electricians	113
Engineers	159
Engravers	11
Farmers	149
Firemen	102
Fishermen	61
Hotel-keepers	7
Housework	4,897
Laborers	2,058
Lawyers	6
Mechanics	72
Machinists	765
Messengers	34
Metal and Iron Workers	539
Milliners	78
Mill and Factory Operatives	2,835
Musicians	44
Nurses	146
Painters	217
Peddlers	250
Photographers	21
Physicians and Dentists	17
Plumbers	135
Policemen and Letter-carriers	70
Porters	155
Railroad Employees	679
Sailors and Soldiers	109
Seamstresses	580
Shoemakers	193
Stenographers	81
Stone-cutters	338
Stone-masons	163
Store-keepers	90
Steam and Gas Fitters	58
Students	202
Tailors	404
Teachers	105
Teamsters	577
Telegraph and Telephone Operatives	62
Waiters	241
Wood Workers	213
Other occupations	302
No occupation	460
Minors	6,995
Total	30,019

RECEIPTS AND EXPENDITURES FOR 1902.

RECEIPTS.

Board of patients	$4,327 43	
Medicines	6,211 25	
Optical department	12,872 10	
Sundries	278 91	
		$23,689 69
Received from the Treasurer		51,364 61
Total		$75,054 30

EXPENDITURES.

Provisions	$16,073 23
Soap	195 70
Gas	290 10
Wages	25,283 14
Medicines and dispensary	3,025 90
Furniture	646 80
Heat, light and power	6,742 74
Kitchen fuel	417 94
Stationery and printing	1,059 62
Water rates	1,133 20
Ice	753 86
House and surgical appliances and supplies	5,654 70
Optical and surgical instruments and repairs on same	9,938 00
Wines, liquors and alcohol	277 23
Repairs	1,600 31
Contingent and sundries	1,961 83
Total	$75,054 30

The value of stock on hand October 1, 1902, was :—

House and surgical supplies	$2,778 17
Drugs and medicines	1,624 97
Provisions	510 36
	$4,913 50

PER CAPITA EXPENSE.

Deducting value of stock on hand from above expense gives the cost of maintenance per house patient, per week, as $10.92.

The cost of maintenance per inmate, per week, was $6.95.

The cost of subsistence per inmate, per day, was 21½ cents.

EXPENSES.

The total expenditure by the Superintendent has been $75,054.30, which is itemized as follows: —

Provisions		$16,073 23
Meat, fish and poultry	$6,412 50	
Fruit and vegetables	2,010 18	
Bread and flour	867 99	
Milk	1,843 08	
Groceries	3,115 53	
Butter and eggs	1,823 95	
Wines, liquors and alcohol		277 23
Water rates		1,133 20
Soap		195 70
Gas		290 10
Ice		753 86
Heat, light and power		6,742 74
Fuel, kitchen		417 94
Medicines and dispensary		3,025 90
Furniture		646 80
Stationery and printing		1,059 62
Wages		25,283 14
Officers (Superintendent, Pathologist, Matron, Assistant Matron, Druggist)	$5,025 67	
Clerks, office, clinic and telephone	2,149 00	
Engineer	525 00	
Night watchman	414 66	
Painters	374 00	
Laboratory assistant	456 00	
Ward masters	2,329 33	
Carpenters	360 00	
Orderlies	1,015 83	
Porters	1,074 14	
Apothecary assistant	300 00	
Elevator	245 00	
Head and operating-room nurses	2,848 00	
Post-graduate nurses	662 25	
Special nurses	309 15	
Attendant nurses	2,480 50	
Kitchen and dining-rooms	1,618 37	
Laundry	1,339 24	
Ward maids	542 12	
General	1,214 88	

Optical and surgical instruments		$9,938 00
Cost of optical department	$9,064 15	
Optical and surgical instruments	548 35	
Optical and surgical instruments, repairs	325 50	
Repairs		1,600 31
Plumbing	$334 03	
Laundry machinery	73 34	
Steam plant	244 40	
Electric plant	181 52	
Carpentering	102 42	
Painting and glazing	178 48	
Kitchen cooking apparatus	121 51	
Elevator	37 05	
Sterilizers	24 11	
House cleaning	120 90	
Mattresses	182 55	
Furnishings and supplies		5,654 70
Dining rooms	$39 02	
Kitchen	151 42	
Linen room	306 12	
Surgical supplies	1,899 97	
Laundry supplies	193 71	
Steam plant supplies	81 61	
Paint	331 59	
Bacteriological laboratory supplies	147 31	
Electric fixtures and lamps	100 80	
Disinfectant	166 50	
Patients' dishes	166 67	
Grounds	6 10	
General supplies	1,274 63	
Uniforms:		
Doctors	72 59	
Nurses	48 40	
Orderlies	133 70	
Domestics	48 48	
Patients	470 26	
Contingent and sundries		$1,961 83
Sundries and training school	$311 94	
Library	162 75	
Improvements	384 70	
Postage and express	118 44	
Telephone	266 00	
Laboratory	11 25	
Grounds	50 75	
Advertising	20 00	
Electric motor	600 00	
Inspection of elevator	36 00	

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

The average number of nurses in daily attendance was twenty-five. The total number of graduate nurses taking the course was twenty-four. The number of applicants for the course was fifty-four. The number of graduates was twenty. Number failing to graduate was four. Remaining in class September 30, 1902, five. Fifty lectures were given by the Surgical Staff, and forty classes by the House Staff and the Superintendent of Nurses.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient departments from September 30, 1893, to October 1, 1902, showing the yearly increase in the number of patients treated in each department, also the total number of patients treated in both departments during the past ten years:—

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1893	777	329	13,258	4,742	19,106
1894	791	277	14,260	5,109	20,437
1895	782	248	14,204	4,946	20,180
1896	912	285	15,359	5,545	22,101
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
1902	1,483	750	22,839	7,180	32,252
Totals	11,219	4,484	170,557	58,655	244,915

A total of 229,212 new patients treated in the Out-Patient Department. As these patients made an average of three visits, it brings the total number of visits of patients to 687,636.

Respectfully submitted,

FARRAR COBB, M. D.,
Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary.

Gentlemen : We desire again to express our appreciation of the new Hospital Building and the facilities therein afforded us for accomplishing the work which is both our duty and our pleasure.

An institution twenty years behind the times has been transformed, within a comparatively short period, into an institution thoroughly up to date and meriting the favorable commendation which it has received from visiting occulists and aurists both of this country and from abroad.

The Ophthalmic House and Out-Patient services have progressed in an entirely satisfactory manner with exception of the refraction work, and improvement has been made in this in the last two years. To do this work as it should be done is one of the most difficult problems we have to consider at the present time ; it is laborious and trying under any circumstances and great care and painstaking are necessary if good results are to be obtained, and there are always more cases than can be satisfactorily fitted to glasses by the working force at our command.

In no department of the Infirmary is the abuse of charity more apparent than here, and the deserving poor would be greatly benefited if the number of patients could be reduced by some more rigid method of excluding the, pecuniarily, unfit class of applicants.

From one to three visits is all that is usually necessary for the proper fitting of glasses and, therefore, many patients who

would be perfectly legitimate subjects for charity if their troubles required long and continuous treatment cannot be classed as such in this branch of our work.

The Pathological Department of the Infirmary as now conducted cannot be too strongly commended. The advantage of having a man of Dr. Verhoeff's standing devoting, practically, his entire time to our branches of pathology is probably not shared by any similar institution in the country. Not only are the immediate results, in a department of this nature, of the greatest benefit to the individual patient in certain obscure cases but the more remote benefits which may result to humanity in general from carefully conducted scientific investigation are worthy of equal consideration.

The card catalogue system for diseases of Ophthalmic House patients, which was started last year, is progressing satisfactorily and, in the reporting of important cases and series of cases, will be of most valuable assistance in the future.

The establishment of a similar system of card catalogue for the Aural House patients is much to be desired not only for the better classification of the house cases, but also on account of the increasing number of patients, from the out-patient service, taken into the house, for one or two days only, for minor operations and then returned for out-patient treatment.

This transference of patients from one service of the Aural Department to the other has done much to increase the efficiency of work and to shorten the duration of treatment of individual cases, but it is important to continuous supervision that the records should also be continuous and the installation of an adequate card catalogue system would effect this purpose.

The service of the Aural Out-Patient Department would also be much facilitated by some further provision for the taking of histories of new cases and for making hearing tests, and this work is of sufficient importance to warrant its being placed

in charge of a second Aural Externe, detailed for this purpose especially, but capable also of assisting in the clinic.

In conclusion we desire to express our appreciation of the administrative and the nursing work which has not only lightened our labors, but has also served to make them more effective for the purpose for which the Infirmary exists.

For the Full Board of Surgeons,

FREDERICK E. CHENEY.
CLARENCE JOHN BLAKE.

REPORT OF PATHOLOGICAL LABORATORY.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary.

Gentlemen: During the past two years all of the pathological material sent to the laboratory has been described, numbered and stored away so that it is available for reference or study at any time, and a card catalogue has been kept in which have been entered both names of patients and of diseases. Microscopical sections have been made in all cases except those in which the material has been damaged to such an extent as to render it unsuitable for histological purposes and in which the diagnosis has been clear from the microscopic examination alone, as, for instance, in the case of eyes disorganized by severe injuries. The material from the Aural Department has consisted principally of tumors submitted for diagnosis, and of autopsies, the work thus lying in the domain of general as well as that of special pathology. A number of the autopsies proved to be of great scientific interest. Owing to the frequency with which eyes are enucleated during life, the material from the Ophthalmic Department has naturally been in excess of that from the Aural Department. In all, a large number of rare and valuable specimens have been preserved, the collection of tumors of the eye being particularly complete. Especial attention has been paid also to obtaining specimens of normal tissues, for without a knowledge of the variations, staining reactions, etc., of the latter it is impossible to arrive at a perfect understanding of pathological conditions. Some of the work is presented in the following articles:—

A Choroidal Sarcoma Producing Rupture of the Cornea in an Unusual Manner. — F. H. Verhoeff and F. M. Spalding. Arch. of Ophthalmology, Vol. xxx., 1901.

A Case of Noma of the Auricles Due to the Streptococcus Pyogenes and its Bearing on the Etiology of Noma in General. — F. H. Verhoeff. The Journal of the Boston Society of the Medical Sciences, May, 1901.

A Case of Melanotic Giant-cell Sarcoma of the Limbus Associated with an Implanted Secondary Growth in the Lower Eyelid. — O. F. Wadsworth and F. H. Verhoeff. American Ophthalmological Transactions, 1901.

An Unusual Case of Chronic Inflammatory Hypertrophy of the Lid Margin. — F. E. Cheney. Pathological Report, by F. H. Verhoeff. Ibid.

A Case of Cavernous Sinus Thrombosis. — E. E. Jack. Pathological Report, by F. H. Verhoeff. Ibid, 1902.

Pathological Report on Dr. Jack's Case of Metastatic Carcinoma of the Choroid. — F. H. Verhoeff. Ibid.

Diseases of the Retina. — F. H. Verhoeff. To appear in the Reference Handbook of the Medical Sciences.

Frederick H. Verhoeff,
Pathologist.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Lids.

Abscess	3
Blepharitis	12
Blepharatis, ulcerative	2
Chalazion	1
Cyst	1
Ectropion	8
Entropion	19
Malformation of, congenital	1
Ptosis:	
Acquired	1
Congenital	2
Trichiasis	9
Tumors	11
Total	70

Lachrymal Apparatus.

Abscess of lachrymal sac	4
Dacryo-cystitis	12
Fistula	3
Lachrymal obstruction	8
Total	27

Conjunctiva.

Conjunctivitis:	
Acute	2
Diphtheritic	1
Gonorrhoeal	44
in infants	57
Muco-purulent	6
Phlyctenular	5
Purulent	43
in infants	9
Trachomatous	24
with Pannus	20
Vernal	1
Pterygium	3
Symblepharon	3
Tumors:	
Epithelioma	2
Sarcoma	1
Total	221

Cornea.

Abscess	4
Keratitis:	
Fascicular	5
Filamentous	1
Interstitial	24
Phlyctenular	88
Simple	2
Superficial	19
Traumatic	3
Ulcerative	86
with Hypopyon	59
Concentric	6
Dendritic	6
Marginal	3
Perforating	8
Serpiginous	2
Vascular	7
Kerato-conus	2
Kerato-iritis	7
Kerato-irido-cyclitis	2
Kerato-sceleritis	3
Leucoma:	
Adherent	2
Inflamed	7
Partial	9
Staphyloma	16
Tumors:	
Dermoid	1
Epithelioma	4
Total	376

Sclera.	
Episcleritis	2
Iris and Ciliary Body.	
Blocked pupil	3
Iritis:	
Plastic	1
Rheumatic	30
Simple	12
Specific	24
with hypopyon	2
Traumatic	1
Irido-cyclitis:	
Acute	5
Old	15
Iritic Adhesions	8
Total	101
Lens.	
Cataract:	
Capsular	77
Congenital	30
Zonular	8
Complicated	6
Hypermature	9
Immature	45
Incipient	55
Mature	190
Pre-senile	7
Total	427
Injuries.	
Non-perforating:	
Conjunctiva	2
Cornea	11
Globe	20
with Hyphaema	20
with Dislocated Lens	3
with Hemorrhage in Vitreous	2
with Irido-dialysis	1
Lids	15
Perforating:	
Brow	5
Cornea	102
with Foreign Body	32
Ciliary Region	13
with Foreign Body	5
Corneo-Ciliary Region	8
Sclera	8
with Foreign Body	4
Sclero-Corneal Region	10
Burns:	
Conjunctiva	2
and Cornea	24
Cornea	7
Lids	6
Total	300
Optic Nerve.	
Optic Atrophy	1
Optic Neuritis	2
Total	3
Choroid.	
Choroiditis:	
Acute	3
Chronic	1
Disseminated	2
Suppurative	3
Sarcoma of	1
Total	10
Retina.	
Glioma	4
Retinitis Pigmentosa	1
Separated Retina	6
Total	11
Globe and Orbit	
Abscess of Orbit	1
Cavernous Sinus, Thrombosis of	1
Cellulitis of Orbit	5
Disorganized Globe	5
Empyema of Frontal Sinus	5
Glaucoma:	
Absolute	5
Acute	2
Chronic	20
Hemorrhagic	7
Simple	3
Secondary	7

Hydrophthalmos	3
Panophthalmitis	1
Phthisis Bulbi	6
Sympathetic Ophthalmia	2
Tumor, Intra-ocular	2
Total	75

REFRACTION.

Astigmatism:	
Compound Hypermetropic,	1
Mixed	1
Myopia	2
Total	4

MUSCULAR AFFECTIONS AND NEUROSES.

Exophoria	1
Paralysis of 3d Nerve	1
6th Nerve	1
Strabismus:	
Convergent	56
Alternating	4
Divergent	7
Vertical	1
Total	71

SUMMARY.

Lids	70
Lachrymal apparatus	27
Conjunctiva	221
Cornea	376
Sclera	2
Iris and Ciliary Body	101
Lens	427
Injuries	300
Optic Nerve	3
Choroid	10
Retina	11
Globe and Orbit	75
Refraction	4
Muscular Affections and Neuroses	71
Total	1,699

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

LIDS.

Abscess	1
Ankyloblepharon	1
Canthoplasty	6
Cautery	1
Chalazion, excised	1
Cyst	1
Ectropion	1
Entropion	4
Lower Lid	6
Green's Operation	18
Hotz' Operation	1
Electrolysis	4
Plastic	22
Ptosis	1
Pagenstecher	1
Scalping	2
Scarified	1
Tumor, excised	7
cauterized	3
Wounds sutured	4
Total	86

CONJUNCTIVA.

Plastic operation	1
Pterygium	2
Symblepharon	5
Stripping	11
Tumors	3
Total	22

CORNEA.

Cauterized	33
Curetted	6
Foreign Body removed	6
Paracentesis	1
Saemisch	32
Staphyloma, anterior	2
Tattooed	2
Tumor	6
Total	88

IRIS.

Iridectomy:	
Artificial Pupil	13
Foreign Body	1
Freeing Anterior Synechiæ	1
Posterior Synechiæ	1
Glaucoma	21
Old Irido-cyclitis	3
Preliminary to Cataract	3
Iridotomy	1
Prolapsed Iris:	
Abscised	13
Cauterized	9
Replaced	2
Total	68

MUSCLES.

Advancement:	
External Rectus	35
Internal Rectus	4
Tenotomy:	
External Rectus	5
Internal Rectus	46
Total	90

LENS.

Capsule Operation	117
Cataract:	
Attempted	2
Complicated	2
Modified Graefe	45
Simple	55
with Buttonhole of Iris,	29
with Iridectomy	24

Discission	66
Linear Incision	12
Suction	15
Total	367

ENUCLEATIONS.

For Buphthalmos	1
Disorganized Globe	6
Foreign Body	6
Glaucoma	4
Hydrophthalmos	1
Injury	38
Irido-cyclitis.	4
Panophthalmitis	4
Phthisis Bulbi	2
Staphyloma	9
Sympathetic Inflammation threatened	3
Tumor of Globe	5
Total	83

MISCELLANEOUS.

Abscess of Lachrymal Sac	3
Orbit	5
Abscission of Vitreous	2
Dislocated Lens	4
Evisceration	2
Mules' Operation	4
Mules' Operation modified	5
Foreign Body:	
Anterior Chamber	4
Vitreous, Magnet	1
Frontal Sinus	3
Magnet, Attempted	15
with Iridectomy	3
Operation for Intraocular Steel	20
Modified Peritomy	7
Optico-ciliary Neurotomy	1
Probing Lachrymal Duct	3
Extirpation of Lachrymal Gland	1
Sac	6
Total	89
Total	893

OUT-PATIENT OPERATIONS.

Abscess, Lachrymal	21
Lids	23
Brow	1
Chalazion	140
Cornu-cutaneum	1
Cyst of Lid	7
Foreign Body, Conjunctiva	100
Cornea	2,348
Globe.	4
Lids	383
Sclera	3
Granuloma of Lid	7
Hordeolum	68
Milium	6
Peterygium	19
Papilloma	2
Tenotomy Internal Rectus	1
Tumor of Lid	1
Verruca	6
Growth of Lid	2
Other Minor Operations	4
Total	3,147

OPHTHALMIC OUT-PATIENT DEPARTMENT.

New Patients (Male) . . 11,760 | New Patients (Female) . . 11,079

DISEASES OF OUT-PATIENTS.

Lids.

Abscess	38
Anomaly, congenital	1
Argyriasis	1
Blepharitis	1,126
Burns	41
Canities	2
Chalazion	477
Cicatrix	2
Cornu-cutaneum	2
Cysts	15
Dermatitis	17
Distichiasis	1
Ecchymosis	34
Ectropion	29
Eczema	54
Emphysema	1
Epicanthus	6
Entropion	34
Epithelioma	13
Erysipelas	2
Foreign Body	368
Hæmatoma	1
Herpes Zoster	8
Hordeolum	211
Hypertrophy	3
Impetigo Contagiosum	1
Lagophthalmus	4
Lippitudo	11
Lithiasis	12
Madarosis	2
Milium	12
Molluscum	2
Nævus	4
Œdema	106
Papilloma	6
Phthiriasis	22
Ptosis	40
Symblepharon	9
Trichiasis	62
Tumors	28
Ulcers	7
Verruca	11
Wounds	76
Xanthelasma	3
Total	2,905

Lachrymal Apparatus.

Abscess	53
Caruncle pigmented	1
Cyst	1
Dacryo-cystitis	35
Epiphora	208
Fistula	9
Injury	1
Lachrymal Obstruction	126
Mucocele	49
Total	483

Conjunctiva.

Abrasion	11
Burns	78
Conjunctivitis:	
Blenorrhœal	22
Catarrhal, acute	996
chronic	776
Diphtheritic	4
Follicular	90

Gonorrhœal	57
Granular	208
with Pannus	26
Muco-purulent	113
Neonatorum	62
Phlyctenular	323
Simple	2,070
Strumous	1
Traumatic	178
Cuts	21
Cysts	5
Ecchymosis	206
Foreign Body	102
Hyperæmia	2
Lymphangiectasis	5
Œdema	26
Pinguecula	56
Pterygium	119
Tumor	4
Ulcer	2
Total	5,563

CORNEA AND SCLERA.

Abrasion	178
Abscess	8
Arcus Senilis	2
Burn	62
Buphthalmus	5
Cicatrix	1
Descemetitis	2
Dermoid	2
Epithelioma	1
Episcleritis	80
Foreign Body Cornea	102
Sclera	3
Herpes	4
Infiltration of Cornea	47
Keratitis:	
Dendritic	11
Fascicular	13
Filamentous	1
Interstitial	37
Phlyctenular	378
Punctate	3
Simple	227
Superficial	128
Traumatic	23
Vascular	16
Kerato-conus	5
Kerato-iritis	10
Leucoma	272
Adherens	44
Inflamed	50
Maculæ Cornea	71
Megalo-cornea	1
Nebulæ	333
Œdema Cornea	3
Sclera	1
Opacities Cornea	48
Rupture Sclera	1
Scleritis	10
Sclero-keratitis	14
Staphyloma	9
Tumor, Cornea	3
Ulcer, Cornea	451
with hypopyon	51
Serpiginous	5
Traumatic	54
Vascular	6
Wound of Ciliary Region	14
Cornea	116
Sclera	13
Total	5,033

IRIS CILIARY BODY.

Argyll-Robertson Pupil	4
Bombé Iris	3
Ciliary Injection	82
Coloboma	13
Corectopia	5
Gumma	1
Hemorrhage	8
Irideremia	4
Irido-cyclitis	11
Irido-dialysis	12
Irido-donesis	29
Irido-plegia	1
Iritis:	
with hypopyon	5
Rheumatic	36

Specific	257
Traumatic	35
Iritic Adhesions	40
Mydriasis	37
Artificial	50
Myosis	6
Neuralgia	1
Occluded pupil	33
Œdema	1
Pigmented	5
Prolapsed	10
Staphyloma	2
Synechiæ, Anterior	31
Posterior	38
Tumor of Iris	1
Total	761

LENS.

Aphakia	1
Cataract:	
Black	1
Capsular	25
Congenital	24
Cortical	3
Cretaceous	1
Diabetic	1
Incipient	352
Lamellar	1
Mature	196
Nuclear	1
Posterior-polar	19
Senile	6
Traumatic	114
Dislocated Lens	36
Foreign Body	1
Oedema	1
Opacities	128
Tumor	1
Total	911

VITREOUS.

Foreign Body	2
Hemorrhage	4
Hyalitis	13
Muscæ Volitantes	24
Opacities	125
Webs	13
Total	181

ANTERIOR CHAMBER.

Foreign Body	1
Hyphæma	51
Total	52

OPTIC NERVE.

Atrophy	60
Neuritis	22
Retro-bulbar	7
Scorbutic	1
Total	90

RETINA.

Changes in Macula	44
Coloboma	1
Embolism Central Artery	1
Glioma	5
Hemorrhage in Macula	3
Neuro-retinitis	19
Oedema in Macula	3
Retina	2
Opacities	1
Pigmentary Degeneration Retina	6
Retinitis	25
Albuminuric	9
Hemorrhagic	9
Separation of Retina	28
Thrombosis Macula	1
Temporal Inferior Vein	3
Total	183

CHOROID.

Atrophy	21
Choroiditis	66
Choroidal pigment	1
Coloboma	5
Glaucoma	73
Hemorrhage	2
Irido-choroiditis	2
Retino-choroiditis	16
Sclerotico-choroiditis	2

Rupture of Choroid	3
Staphyloma, Posterior	32
Anterior	6
Total	229

Globe and Orbit.

Abcess Orbit	1
Anophthalmos	34
Cellulitis	5
Cicatrix	3
Disorganized Globe	37
Emphysema Orbit	2
Enophthalmos	1
Exophthalmos	9
Foreign Body Globe	32
Granulation Orbit	1
Hydrophthalmos	5
Irritable Orbit	4
Microphthalmus	1
Neuralgia	3
Panophthalmitis	4
Periostitis Orbit	1
Phthisis Bulbi	46
Rupture of Globe	1
Sympathetic Ophthalmia	3
Tumor of Orbit	2
Total	195

General Injuries.

Blows and cuts	304
Burns	61
Total	365

Accommodation and Refraction.

Anisometropia	4
Astigmatism	2,088
Asthenopia	111
Emmetropia	6
Hypermetropia	3,470
Myopia	1,090
Paralysis of Accommodation	13
Presbyopia	2,080
Spasm of Accommodation	1
Total	8,863

Affections of the Percipient Apparatus.

Amblyopia	35
Alcohol, tobacco, etc.	31
Hemianopsia	5
Scotoma	35
Total	106

Muscular Affections and Neuroses.

Blepharospasm	13
Diplopia	33
Esophoria	6
Exophthalmic Goitre	7
Exophoria	12
Hyperphoria	13
Locomotor-Ataxia	9
Nictitation	27
Nystagmus	70
Paralysis, facial	19
Fourth	6
Sixth	30
Third	24
Photophobia	13
Strabismus:	
Alternating	41
Convergent	434
Divergent	103
Transient	4
Vertical	1
Supra-orbital neuralgia	7
Total	872

Miscellaneous.

Eloped	118
Entered by mistake	8
No diagnosis	156
No disease	91
Vision cases not refracted	966
Referred to other institutions	73
Refused treatment	23
Unfit	441
Total	1,876

Other Diseases.	
Albino	8
Anæmia	9
Chorea	7
Cavernous Sinus	1
Dermatitis	1
Eczema	14
Epithelioma	4
Erysipelas	2
Frontal Sinus	18
Ganglion	1
Head Tumor	1
Malingerer	2
Neurasthenia	1
Rodent Ulcer	2
Sarcoma	1
Sclerosis	1
Vertigo	1
Total	74

SUMMARY OF DISEASES.

Lids	2,905
Lachrymal Apparatus	483
Conjunctiva	5,563
Cornea and Sclera	5,033
Iris and Ciliary Body	761
Lens	911
Vitreous	181
Anterior Chamber	52
Optic Nerve	90
Retina	183
Choroid	229
Globe and Orbit	195
General Injuries	365
Accommodation and Refraction	8,863
Affections of the Percipient Apparatus	106
Muscular Affections and Neuroses	872
Miscellaneous	1,876
Other Diseases	74
Total	28,742

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF EXTERNAL EAR.

	R.	L.	B.
a. *Neoplasms.*			
Keloid	0	1	0
Cyst of auricle	2	0	0
Aneurism of auricle	0	5	0
b. *Malformations.*			
Congenital lop-ears	0	0	1

II. DISEASES OF THE MEATUS.

Exostosis	2	0	0
Acute diffuse inflammation	4	1	0
Acute circumscribed inflammation	2	2	0

III. DISEASES OF THE MIDDLE EAR.

Acute Inflammations.			
Simple	8	4	1
With mastoiditis	23	17	2
With adenoids and tonsils	1	3	4
With acute circumscribed inflammation of meatus	1	0	0
With meningitis	0	1	1
With post aural abscess	1	1	0
Acute Suppurative Inflammations.			
Simple	13	10	4
With mastoiditis	37	64	6
With cervical abscess	1	0	0
With post aural abscess	3	4	0
With parotid abscess	1	0	0
With glands in the neck	1	0	0

	R.	L.	B.
With mastoiditis and meningitis	0	1	0
With mastoiditis and fractured temporal bone	1	0	0
With mastoiditis and nipple	2	0	0
With mastoiditis and adenoids	7	5	0
Chronic Suppurative Inflammations.			
Simple	11	8	0
With granulations in tympanum	2	2	1
With polypus in tympanum	12	9	0
With polypus and post aural abscess	0	1	0
With carious ossicles	8	2	1
With carious ossicles and granulations	1	0	0
With cerebral abscess	1	0	0
With polypus and caries in tympanum	2	0	0
With post aural swelling	1	1	0
With caries of tympanum	1	0	0
With caries in the mastoid	2	3	0
With purulent rhinitis	2	0	0
With mastoiditis and meningitis	0	0	1
With mastoiditis and polypus in tympanum	2	1	0
With mastoiditis	11	17	2
With mastoiditis and acute diffuse inflammation of meatus	0	0	1
With post aural abscess, gland in neck	0	1	0
With atresia of canal, syphilis	1	0	0
With polypus and myxoedema	1	0	0
With adenoids	3	3	1
With recurrent mastoiditis	8	6	1
DISEASES OF THE LABYRINTH.			
Laybyrinthitis	2	0	4
Hemorrhage	0	0	1
MISCELLANEOUS.			
Adenoids	0	0	222
Adenoids and tonsils	0	0	113
Tonsils	0	0	6
Hypertrophic turbinates	0	0	1
Nasal spur	1	1	0
Post operative hemorrhage	0	0	1
Adenitis	1	1	1
Stapes fixation	0	1	2
Plastic auricle	1	0	0
Osteo-sclerosis	0	1	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

	R.	B.	L.
Abscess of tragus incised	0	0	1
Abscess of lobe incised	0	1	0
Cyst removed	2	0	0
Cyst of lobe removed	6	0	2
Fibroma removed	1	0	0
Hæmatoma incised	3	0	1
Othæmatoma incised	0	0	1
Congenital fistula of auricle excised	2	0	0

2. Meatus.

Abscess incised	20	2	29
Circumscribed abscess incised	6	0	4
Foreign body removed	3	0	1

3. Tympanum.

Drum membrane, paracentesis	264	51	236
Carious ossicles removed	2	0	2
Carious malleus removed	2	0	2
Carious malleus and incus removed	6	0	5
Carious incus removed	2	0	2
Granulations in tympanum removed	1	1	3
Polypus removed	48	1	40

4. Nose and Pharynx.

Nose, spur removed	0	9	0
Nose, turbinate removed	0	23	0
Nose, polypus removed	0	9	0
Deflected septum straightened	0	5	0
Naso pharynx, adenoids removed	0	254	0
Naso pharynx, adenoids and tonsils removed	0	131	0

5. Mastoid Region.

Abscess, post-aural incised	0	0	1
Abscess, infra-aural incised	1	0	0
Cervical abscess incised	4	0	1
Mastoid operations	60	0	86

Miscellaneous.

Various operations	9	2	10

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	1	0	0
Abscess of lobe	1	0	1
Abscess of tragus	5	0	2
Congelatio	0	1	0
Dermatitis	1	0	1
Eczema	59	7	32
Perichondritis	1	0	0
Hæmatoma traumatica	3	0	3
Herpes Zoster	1	0	2
Ulcer	4	0	2

b. *Deformities.*

Microtia	4	0	1
Congenital fistula of auricle	2	0	1

c. *Neoplasms.*

Cyst of auricle	6	0	7
Cyst of lobe	5	0	2
Cornu	1	0	1
Carcinoma	0	0	1
Epithelioma	1	0	1
Othæmatoma	1	0	2
Papilloma	1	0	0

d. *Trauma.*

Auricle	1	0	0

2. Meatus.

Cerumen	527	498	514
Trauma	1	0	0
Atresia	0	0	1
Abscess	17	4	14
Eczema	14	17	12
Acute diffuse inflammation	49	11	38
Chronic diffuse inflammation	3	0	2
Acute circumscribed inflammation	69	9	110
Foreign body (animate)	7	0	3
Foreign body (Inanimate)	27	0	13

II. DISEASES OF THE DRUM MEMBRANE.

	R.	L.	B.
Trauma direct	12	0	14
Trauma indirect	7	0	6

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

Mucous	121	172	142
With adenoids	35	49	47
Serous	19	8	10
Serous with adenoids	37	97	81
With labyrinthine disease	1	0	1

Chronic Secretory Catarrhal Inflammation.

Mucous	149	239	132
With adenoids	29	47	13
Serous	9	2	6
Serous with adenoids	4	36	8
With labyrinthine disease	3	4	9

b. *Adhesive Catarrhal Inflammation.*

Secretory	129	375	127
Secretory with labyrinthine disease	10	16	39
Insidious	13	68	29

c. *Acute Inflammation.*

Simple	279	80	269
With adenoids	49	27	42
With mastoiditis	87	7	49
With facial paralysis	0	0	1
With post aural abscess	2	0	3
With mastoid abscess	1	0	0

d. *Acute Suppurative Inflammation.*

Simple	317	125	299
With caries of mastoid	2	0	0
With mastoiditis	102	12	60
With mastoiditis and meningitis	1	0	0
With post aural abscess	10	0	5
With facial paralysis	1	0	1
With adenoids	14	3	16

e. *Chronic Suppurative Inflammation.*

Simple	267	148	187
With caries of mastoid	2	0	1

	R.	L.	B.
With mastoiditis	39	14	42
With mastoid fistula	0	0	1
With caries of the ossicles	40	2	27
With caries of the ossicles and granulations	4	0	3
With caries of the ossicles and polypus in tympanum	2	0	1
With caries of temporal bone	1	0	0
With facial paralysis	1	0	0
With polypus in the tympanum	76	2	49
With polypus in the tympanum and facial paralysis	1	0	0
With granulations in the tympanum	62	8	59
With post aural abscess	1	0	1
With adenoids	55	27	52
With peri auricular abscess	0	0	1
Effect of suppurative inflammation	208	109	125
Effect of suppurative inflammation with mastoiditis	2	0	1
Effect of suppurative inflammation with adenoids	14	10	17

4. Neurosis of Middle Ear.

Otalgia from teeth	72	40	37
Otalgia from pharynx	1	0	1

Diseases of the Labyrinth.

Labyrinthitis	7	9	6
Anæmia	0	1	0
Concussion	6	0	4
Hemorrhage	1	0	1

Miscellaneous.

Adenoids	0	96	0
Adenoids and tonsils	0	45	0
Hypertrophic rhinitis	0	42	0
Atrophic rhinitis	0	20	0
Purulent rhinitis	0	30	0
Deaf mutism	0	7	0
Polypus (nose)	0	8	0
Contraction of tensor tympani	0	1	0
Verruca	2	0	0
Deflected septum	0	13	0
Eloped	0	14	0
No diagnosis	0	32	0
No ear disease	0	92	0
Unfit patients	0	99	0

STATISTICS, OCT. 1, 1901, TO OCT. 1, 1902.

EAR PATIENTS.

MALES.

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Total.
Birth to 3 years.....	14	29	19	22	16	20	19	25	16	19	21	16	236
3 yrs. to 15 " ..	75	74	61	55	40	52	65	70	50	76	70	52	740
15 " " 25 "	59	46	42	50	47	57	60	60	62	73	71	48	675
25 " " 35 "	48	42	46	43	52	60	62	55	71	79	60	47	665
35 " " 45 "	36	34	30	52	47	56	51	60	47	67	66	53	599
45 " " 55 "	35	26	21	42	40	59	35	52	41	58	35	31	475
55 " " 65 "	29	9	8	24	19	29	40	20	17	27	30	22	274
65 " " 75 "	12	8	7	5	1	2	8	6	9	17	5	5	85
75 " " 85 "	1	0	0	0	0	0	1	3	3	4	2	2	16
85 " " 95 "	0	1	0	0	0	0	0	1	0	1	1	0	4
													3,769

FEMALES.

Birth to 3 years.....	15	13	12	17	11	17	15	31	15	22	30	17	215
3 yrs. to 15 "	52	55	44	40	43	63	57	65	68	75	60	51	673
15 " " 25 "	41	49	37	42	62	70	64	66	50	68	53	47	649
25 " " 35 "	72	39	32	38	42	62	58	71	46	62	55	49	626
35 " " 45 "	34	36	19	46	47	57	50	48	45	58	45	42	527
45 " " 55 "	22	20	16	37	36	52	38	59	25	43	37	37	422
55 " " 65 "	27	5	13	15	13	33	9	22	30	15	16	26	224
65 " " 75 "	12	7	3	1	1	2	5	3	2	7	10	13	66
75 " " 85 "	2	1	0	0	1	1	0	1	1	1	1	0	9
85 " " 95 "	0	0	0	0	0	0	0	0	0	0	0	0	0
													3,411

Residents of Boston....	295	239	189	237	230	298	302	309	269	398	286	232	3,284
Residents of Mass.....	265	246	218	287	281	384	327	406	321	362	376	317	3,790
Residents of Maine.....	4	5	1	1	1	2	2	1	5	2	2	1	27
Residents of N. H.....	14	2	1	2	1	3	5	1	2	6	0	2	39
Residents of Vermont..	5	1	0	1	2	2	0	0	1	2	1	3	18
Residents of R. I.....	1	0	0	1	1	1	1	0	0	1	1	1	8
Residents of Conn.....	1	0	1	0	0	1	0	0	0	1	0	1	5
Res'nts of other States,	0	1	0	0	1	0	0	1	0	0	1	1	5
Res'nts of British Prov.	1	0	0	0	1	1	0	0	0	0	1	0	4

New Patients.....	586	494	410	529	518	692	637	718	598	772	668	558	7,180
Old Patients	1,712	1,373	1,173	1,392	1,335	1,936	2,012	2,268	1,903	2,226	1,890	1,586	20,806
Totals.....	2,298	1,867	1,583	1,921	1,853	2,628	2,649	2,986	2,501	2,998	2,558	2,144	27,986

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is ten dollars ($10) per month.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1901-1902.

The managers desire to gratefully acknowledge the receipt of the following donations in 1901–1902:—

Magazines, from Col. Wm. D. Sohier.

Knit bandages, from Miss Atkinson.

Old linen, from Mrs. B. F. Cheney.

Flowers, from Boston Flower and Fruit Mission,

Fifty pieces of clothing, from Needlework Guild of America, through Mrs. R. M. Morse.

Magazines, from Mr. Wm. H. Seabury.

Flowers, from Hereford Club, Boston.

Spectacles and eyeglasses, from Mrs. Robert Willard.

Children's tiers, from Channing Circle, Arlington Street Church, Boston, through Mrs. A. Jackson.

Magazines, from Dr. Farrar Cobb.

Spectacles and eyeglasses, from Miss Dresel.

Toys, from Mrs. Ames.

Flowers, from Dr. W. H. Lowell.

Dolls and toys, from Mrs. C. P. Curtis.

Picture books, from Mrs. James T. Hill.

Flowers, from Dr. Farrar Cobb.

Toys, from Mr. Frank A. Day.

Greens, from Mr. Johnson of Marshall, Johnson Co.

Cake, from Mr. L. B. Chandler.

Spectacles and eyeglasses, from Dr. J. Kittredge.

Toys, from Mr. Wm. A. Seabury.

Geeens, from Mr. L. B. Chandler.

Toys and candy, anonymous.

Medical Journals for the Surgeons' Library, from Dr. B. Joy Jeffries.

Grapes, from Mr. Wm. A. Seabury.

Toys, from Mrs. C. P. Curtis, Jr.

Mistletoe, from Mr. English.

Christmas tree, from Mr. H. W. Morse.

Spectacles and eyeglasses, from Miss Theodosia Cabot.

Clothing, anonymous.

Flowers, anonymous.

Spectacles and eyeglasses, anonymous.

Through the kindness and courtesy of Dr. John Dixwell, the house patients were treated to a musical entertainment in the spring.

Under and night clothing, bath robe, slippers, white outer shirts, etc., anonymous.

Flowers, from "The Hospital Music Fund," through Dr. John Dixwell.

Large box of toys, several dozens of dolls, and money for larger children, from Mrs. C. P. Curtis.

Large box of toys, from Mrs. Oliver Ames.

Large box of toys, from Mr. Frank A. Day.

Large box of toys, from Mrs. C. P. Curtis, Jr.

Cards and handkerchiefs, from Episcopal City Mission.

Through the kindness and generosity of the following persons, we were enabled to have a large Christmas tree, with presents for over two hundred patients and employees:—

Mr. Augustus Hemenway, Mr. Charles P. Curtis, Mr. George P. Gardner, Mr. Henry Parkman, Mr. Charles Lowell, Mr. Francis L. Higginson, Mr. William D. Sohier, Mr. William H. Seabury, Mr. Eben S. Draper, Mr. Robert Homans, Mr. William S. Spaulding, Dr. George B. Shattuck, Mrs. C. P. Curtis, Mrs. Oliver Ames, Mr. Frank A. Day, Mrs. C. P. Curtis, Jr., Episcopal City Mission, Mrs. J. Hurd Hutchins.

SEVENTY-EIGHTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1903.

THE

Massachusetts Charitable Eye and Ear Infirmary

233 CHARLES ST., Cor. Fruit St., Boston.

OUT-PATIENT DEPARTMENT.

The Out-Patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A. M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent, between 10 and 11 A. M. and 2 and 3 P. M., ON WEEK DAYS ONLY.

Accident and emergency cases admitted at any time.

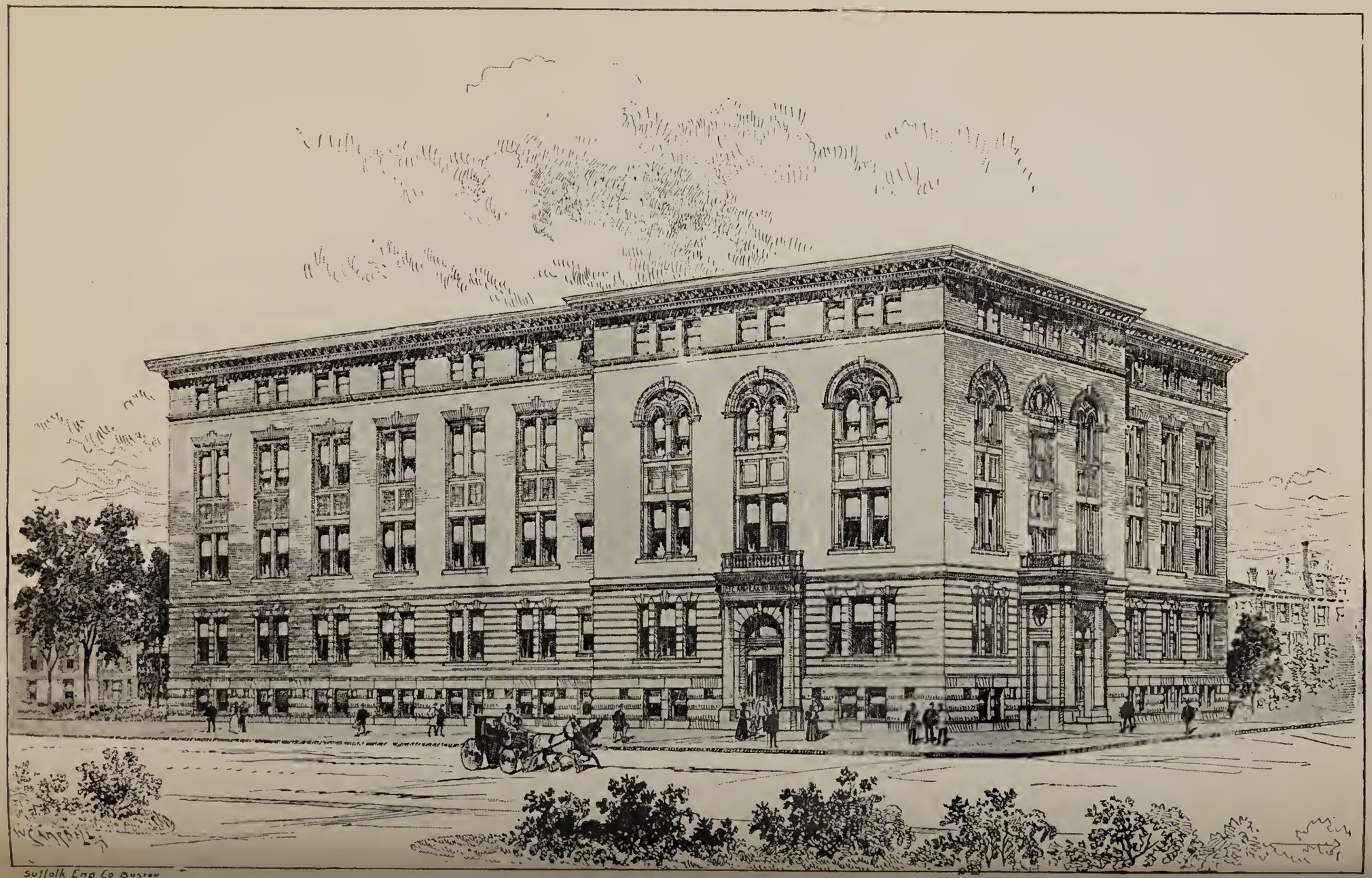
All communications in regard to the Infirmary, or in regard to any inmate, must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P. M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy**, and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.



Suffolk Eng Co Boston

SEVENTY-EIGHTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1903.

JAMES M. KENNEDY,
PRINTER,
56 Summer Street,
Boston.
1904.

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1903-1904.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

CHARLES P. CURTIS.
Feb. 7, 1882.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

CHARLES LOWELL.
Oct. 25, 1894.

FRANCIS L. HIGGINSON.
Oct. 25, 1894.

* WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

ROBERT HOMANS.
May 1, 1900.

WILLIAM S. SPAULDING.
Feb. 4, 1902.

* EBEN S. DRAPER.
Feb. 4, 1902.

DR. GEORGE B. SHATTUCK.
Oct. 30, 1902.

WILLIAM C. ENDICOTT.
Feb. 3, 1903.

RUSSELL G. FESSENDEN.
Feb. 3, 1903.

President.

DR. GEORGE B. SHATTUCK.

Secretary.

ROBERT HOMANS, 1035 EXCHANGE BUILDING, 53 STATE STREET, BOSTON.

Treasurer.

AUGUSTUS HEMENWAY, 10 TREMONT STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. CHARLES LOWELL.
WILLIAM H. SEABURY.

Finance Committee.

CHARLES P. CURTIS. CHARLES LOWELL.
FRANCIS L. HIGGINSON.

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* Appointed by the Commonwealth.

Visiting Committees.

January,	Mr. SEABURY,	July,	Mr. PARKMAN
	Mr. HEMENWAY.		Mr. LOWELL.
February,	Mr. HEMENWAY,	August,	Mr. LOWELL,
	Dr. SHATTUCK.		Mr. HIGGINSON.
March,	Dr. SHATTUCK,	September,	Mr. HIGGINSON,
	Mr. SPAULDING.		Mr. FESSENDEN.
April,	Mr. SPAULDING,	October,	Mr. FESSENDEN,
	Mr. HOMANS.		Mr. ENDICOTT.
May,	Mr. HOMANS,	November,	Mr. ENDICOTT,
	Mr. CURTIS.		Mr. GARDNER.
June,	Mr. CURTIS,	December,	Mr. GARDNER,
	Mr. PARKMAN.		Mr. SEABURY.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M.D.
HENRY L. SHAW, M.D.
SAMUEL J. MIXTER, M.D.
HENRY W. BRADFORD, M.D.
B. JOY JEFFRIES, M.D.

Ophthalmic Surgeons.

H. BECKLES CHANDLER, M.D.
OLIVER F. WADSWORTH, M.D.
MYLES STANDISH, M.D.
FREDERICK E. CHENEY, M.D.
EDWIN E. JACK, M.D.
ALEX. QUACKENBOSS, M.D.

Aural Surgeons.

CLARENCE J. BLAKE, M.D.
J. ORNE GREEN, M.D.
FREDERICK L. JACK, M.D.
EDWARD M. PLUMMER, M.D.

Assistant Ophthalmic Surgeons.

HENRY H. HASKELL, M.D.
EDMUND W. CLAP, M.D.
FRED M. SPALDING, M.D.
A. GARDNER MORSE, M.D.
LEON W. MANSUR, M.D.
W. B. LANCASTER, M.D.

Assistant Aural Surgeons.

EUGENE A. CROCKETT, M.D.
PHILIP HAMMOND, M.D.
GEORGE A. WEBSTER, M.D.
WALTER A. LECOMPTE, M.D.

Ophthalmic Clinical Assistants.

ELWOOD T. EASTON, M.D.
ARTHUR J. SHAW, M.D.
CHARLES SIAS WRIGHT, M.D.
CHARLES D. JONES, M.D.
ROBERT G. LORING, M.D.
PATRICK F. KELLEHER, M.D.
HARRY CALDWELL PARKER, M.D.
PETER HUNTER THOMPSON, M.D.
SAMUEL J. McDONALD, M.D.
GEORGE S. DERBY, M.D.
CHARLES F. MOULTON, M.D.

Aural Clinical Assistants.

LEON E. WHITE, M.D.
D. HAROLD WALKER, M.D.
E. DeWOLFE WALES, M.D.

Pathologist.
FREDERICK H. VERHOEFF, M.D.

Consulting Neurologist to Aural Department.
JAMES J. PUTNAM, M.D.

Consulting Physician.
RICHARD C. CABOT, M.D.

HOUSE STAFF.

Ophthalmic House Surgeons.
W. HOLBROOK LOWELL, M.D. DAVID A. HEFFERNAN, M.D.

Ophthalmic Externe.
CHARLES N. SPRATT, M.D.

Aural House Surgeon.
FREDERIC E. BAUR, M.D.

Aural Externes.
JOHN H. ALLEN, M.D. GEORGE H. POWERS, Jr., M.D.

EXECUTIVE OFFICERS.

Superintendent.
FARRAR COBB, M.D.

Matron and Superintendent of Nurses.
MARY COONAHAN.

Apothecary.
HOWARD W. MORSE.

Assistant to the Superintendent.
JOHN G. SCHROEDER.

Assistant Matron.
FLORA L. PYKE.

Supervisor.
MITCHELL A. DEARBORN.

Optician.
ANDREW J. LLOYD.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

In presenting this, their annual report for 1903, the Managers desire to call attention to the fact that the high degree of activity in the several departments of the Hospital, which was referred to in the last Annual Report, has continued in an increasing measure. In the past year there has been a large increase in the amount of work done, both in the wards of the Hospital and in the Out-Patient Department; the contagious eye wards and children's wards have been used to their fullest capacity throughout the entire year. The total number of patients treated in the wards was 2523, 184 more than last year. The daily average number of patients treated in the wards was 131, an increase of 8 over the preceding year. The total number of days' board furnished was 47,680, an increase of 2785 over the year 1902; of this board 24,596 days were for free patients; 23,084 days' board were paid for, but the average rate paid per week was only $3 a patient.

During the year such were the demands upon the Institution for beds that it was necessary to refuse admission for a time, because of lack of room, to 210 applicants; of

this number, however, 161 were subsequently admitted. All urgent cases needing immediate treatment were admitted at once.

Reference to the tables of statistics show that the majority of the patients treated in the Hospital were of the working classes, — laborers, mechanics, shop girls, domestics, and needle women; a class of patients to whom the ability to work means not only the maintenance of themselves, but of others dependent upon them.

The Managers desire again to call special attention to the large number of patients treated in the Gardner Building during the year. 219 patients were treated in this building for contagious diseases of the eyes. As was stated in last year's report, the importance of the work done in this building can only be properly estimated when it is remembered that 75 per cent of the total blindness in the world is due to the contagious purulent ophthalmia which has been so successfully treated in this building in the last two years. Nearly all of the cases here treated would undoubtedly have become blind without such treatment.

The number of new and old patients applying for treatment in the Out-Patient Department has increased. There were 31,490 new patients treated in the Out-Patient Department, an increase of 1474 over last year. The total number of visits of patients, old and new, was 80,264.

The per capita expense, or the actual cost of taking care of one house patient for one week, was $12.39, an increase of $1.47 a week as compared with 1902, because the running expenses of the Superintendent were increased $11,055.74 over last year. This increase was due to the increased demands upon all departments of the Infirmary and also to the large extra expense necessary for heat, light, and power during the coal strike of last winter.

The Legislature of 1903, realizing the great demand made upon the Infirmary by the increasing number of poor persons treated, generously increased its annual appropriation by $5000. Even with this increased appropriation the expenses for the year have exceeded the receipts by $12,514.38. It has been the experience of the Managers that the demands from the poor, the needy and the working classes in the community upon the Infirmary, have increased steadily every year.

During the coming year, making due allowance for lower prices for coal and provisions, and using every possible economy in management, it will be impossible to finish the year without a deficit of eight or ten thousand dollars, provided the demands upon the institution are the same.

It will have been observed that as the expenses have been more than the receipts the Managers have been obliged to draw on their capital, though the gifts from legacies and otherwise have been more than the deficit. The Managers regret the necessity of drawing on capital, but recognize that the only alternative is cutting down the beneficent work of the Infirmary, and hope therefore that their permanent fund may be made large enough by increased gifts and legacies to avoid future deficit.

During the past year Mr. William C. Endicott and Mr. Russell G. Fessenden have been elected to the Board of Managers.

Dr. F. H. Verhoeff, the Pathologist to the Infirmary, was given leave of absence for the purpose of observing the most modern methods in Europe, and, while the general work of his department was kept up, there is no report from the Pathological Laboratory.

The Managers desire to acknowledge the following gifts and legacies received during the year: —

Executors of the will of Joseph Glover .	$5,000 00
" Susan S. White .	10,000 00
" Edward I. Brown .	2,900 00
Gift of F. H. Peabody	25 00
" F. W. Hunnewell	100 00
" "A Friend"	500 00
U. S. Treasury, refund legacy tax:	
Estate of Elizabeth P. Parker . . .	2,033 24

ROBERT HOMANS,
HENRY PARKMAN,
RUSSELL G. FESSENDEN,
Committee of the Board of Managers.

September 30, 1903.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

INCOME, RECEIPTS AND DISBURSEMENTS

FOR THE YEAR ENDING SEPT. 30, 1903.

INCOME.

RECEIPTS:		
Income from investments		$14,726 70
Income from trustees, will E. V. Ashton		1,650 00
Income from estate Robert F. Brigham		1,000 00
Appropriation from State		30,000 00
Rebate bank tax		64 76
From Superintendent, as per his report:		
Board patients	$5,071 94	
Opticians' account	14,612 30	
Medicines	7,617 77	
Sundries	188 36	
		27,490 37
		$74,931 83
Excess of expenditures over receipts		12,514 38
		$87,446 21

EXPENDITURES.

Running expenses, per account of Superintendent		$86,110 04
Additional expenses, per account of Treasurer:		
Annuities	$300 00	
Sundries	419 37	
Insurance	178 34	
Printing and sundries	253 71	
Instruments (Ophthalmic)	184 75	
		1,336 17
		$87,446 21

REPORT OF THE SUPERINTENDENT,

For the Year ending September 30, 1903.

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 2,523, which is 184 more than last year.

Of the 2,523 house patients, 1,541 were males and 982 females.

Number of patients treated in Ophthalmic wards	1,548
Number of patients treated in Aural wards .	975

Of this number 219 were treated in the Gardner Building for contagious diseases. Eighty of these were infants under one year. A report on the special work in the Gardner Building follows later. The daily average number of patients treated in this building was 12.

Of the total number of patients treated in the wards, 965 were children under 14 years of age.

The daily average number of patients treated in the wards was 131, or 8 more than last year.

The largest number of house patients treated on any one day was 152, the smallest number, 106.

Number of free patients admitted . . .	1,201
Paying patients at $6.00 per week . . .	261
Paying patients at less than $6.00 per week .	934
Patients remaining in wards Sept. 30, 1902 .	127

The average rate paid per week per pay patient was $3.00.

The average stay per patient in the hospital under treatment was 18 days.

During the year 210 patients were refused admission for want of accommodation. Of this number 161 were subsequently admitted.

47,680 days' board was furnished to patients. 23,084 days' were paid, and 24,596 were free.

RESIDENCE OF HOUSE PATIENTS.

Boston	915	Connecticut	3
Mass. (excepting Boston)	1,480	Other States	5
Maine	9	British Provinces	4
New Hampshire	86		2,523
Vermont	6		
Rhode Island	15		

OCCUPATION OF HOUSE PATIENTS.

MALES.

Actors	2	Firemen	12
Agents	9	Gardeners	4
Bakers	4	Harness makers	3
Barbers	6	Janitors	5
Blacksmiths	13	Journalist	1
Bookkeepers	4	Laborers	188
Butler	1	Laundrymen	1
Butchers	4	Lawyers	4
Carpenters and wood-workers	49	Masons	17
Clerks	37	Machinists	44
Cooks	3	Metal-workers and moulders	23
Coachmen and hostlers	14	Mill and factory operatives	116
Druggist	1	Messengers	3
Electricians	4	Musicians	6
Engineers	13	Nurses	1
Engravers	1	Painters and glaziers	14
Farmers	31	Pedlers	13

Porters	10	Storekeepers	2
Polo player	1	Tailors	10
Printers and compositors	6	Teamsters	35
Physicians	4	Telegraph operators	1
Plumbers and steamfitters	10	Upholsterers	1
Railroad employees	15	Waiters	8
Seamen and fishermen	21	Watchmen	5
Salesmen	12	Unclassified	13
Shoemakers	39	Minors	600
Soldiers	2	No occupation	44
Stonecutters	43		1,541
Students	8		

FEMALES.

Actresses	2	Nurses	17
Bookbinders	5	Pedlers	1
Bookkeepers	3	Saleswomen	4
Cooks	8	Students	1
Compositors	1	Teachers	2
Clerks	4	Waitresses	10
Domestics	78	Minors	532
Dressmakers and seamstresses	14	No occupation	64
Housewives	194		982
Lodging-house keeper	1		
Mill and factory operatives	41		

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

1,457 were well.
804 were relieved.
46 were not relieved.
54 left against advice.
29 died.
11 not treated.
2 eloped.
11 were transferred to other hospitals for other diseases.
109 remaining in hospital, September 30, 1903.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 898 operations performed in the house, and 3,346 in the Out-Patient Department.

In the Aural Departments there were 829 operations performed in the house, and 955 in the Out-Patient Department.

SPECIAL REPORT ON THE WORK IN THE GARDNER BUILDING.

During the past year 219 patients were admitted to the wards in this building. Of these there were 105 cases of gonorrhœal ophthalmia; 53 occurring in infants (ophthalmia neonatorum) soon after birth, usually on the third day. There were 31 cases of purulent ophthalmia, not gonorrhœal; 12 of these were in infants.

The cornea was involved at the time of entrance in 40 of the gonorrhœal cases, 24 of which were infants, and also in 16 of the simple purulent cases, 4 of which were infants. The cornea was involved in 5 cases after admission, 4 being adults and 1 an infant.

Saemisch's operation was performed on 6 adult cases and 1 infant.

Enucleation was performed 5 times; 3 times in adults, because of disintegrating globe, and twice in children for sympathetic inflammation threatened the good eye.

Eleven cases of specific iritis, with concomitant lesions of the disease, were treated. One of these cases showed a primary lesion of the lower lid.

Only one case of diphtheritic conjunctivitis, showing the true Klebs-Lœffler bacillus, on careful bacteriological examination, was treated, though several cases presented clinical pictures of the disease.

OUT-PATIENT DEPARTMENT.

New patients treated: —

Ophthalmic:	Males	12,161	
	Females	11,453	
			23,614
Aural:	Males	4,362	
	Females	3,514	
			7,876
Total			31,490

Number of old patients treated in the Out-Patient Department was: —

Ophthalmic	27,966	
Aural	20,813	
		48,779
Total visits in Out-Patient Department,		80,269

RESIDENCE OF OUT-PATIENTS.

Boston	16,199	Connecticut	16
Mass. (excepting Boston)	14,841	Other States	24
Maine	72	British Provinces	19
New Hampshire	259	England	2
Vermont	30		
Rhode Island	28	Total	31,490

OCCUPATIONS OF OUT-PATIENTS.

Actors	5	Milliners	67
Agents	170	Mill and factory operatives	2,687
Artists	6	Moulders	7
Bakers	92	Musicians	42
Barbers	170	Nurses	136
Blacksmiths	219	Painters	225
Bookbinders	41	Pedlers	216
Bookkeepers	191	Photographers	14
Butchers	51	Physicians and dentists	11
Carpenters	475	Plumbers	86
Clergymen	27	Policemen and letter carriers	93
Clerks	1,958	Porters	162
Coachmen and hostlers	170	Railroad employees	593
Compositors and printers	186	Sailors and soldiers	146
Cooks	163	Seamstresses	597
Cigarmakers	115	Shoemakers	196
Domestics	1,627	Stenographers	90
Electricians	121	Steam and gas-fitters	47
Engineers	194	Stonecutters	240
Engravers	12	Storekeepers	60
Farmers	147	Students	206
Firemen	153	Tailors	469
Fishermen	59	Teachers	107
Hotel-keepers	4	Teamsters	529
Housewives	5,399	Telegraph and telephone operators	64
Hatters	16	Waiters	246
Laborers	2,065	Wood-workers	205
Lawyers	6	Other occupations	444
Laundry workers	123	No occupation	689
Masons	176	Minors	7,288
Machinists	799		
Mechanics	94	Total	31,490
Messengers	24		
Metal and iron workers	470		

RECEIPTS AND EXPENDITURES FOR 1903.

RECEIPTS.

Board of patients	$5,071 94	
Medicines	7,617 77	
Optical department	14,612 30	
Sundries	188 36	
		$27,490 37
Received from the Treasurer		58,619 67
Total		$86,110 04

EXPENDITURES.

Provisions	$15,916 76
Soap	232 44
Gas	537 70
Wages	25,853 78
Medicines and dispensary	4,269 39
Furniture	255 55
Heat, light and power	12,392 00
($2,569.18 is interest charges on the combined plants of the Massachusetts General Hospital and Eye and Ear Infirmary.)	
Kitchen fuel	519 91
Stationery and printing	769 97
Water rates	1,401 60
Ice	895 40
House and surgical appliances and supplies	6,998 16
Optical department	10,670 50
Instruments	1,409 53
Wines, liquors and alcohol	168 40
Repairs and improvements	2,404 89
Contingent and sundries	1,414 06
Total	$86,110 04

The value of stock on hand October 1, 1903, was: —

House and surgical supplies	$3,555 78	
Drugs and medicines	1,844 28	
Provisions	602 29	
		$6,002 35
The value of stock on hand October 1, 1902, was:		4,913 50
		$1,088 85

Deducting the difference in value of the stock on hand October 1, 1903, $1,088.85, and October 1, 1902, gives the cost of maintenance per house patient per week as $12.39, an increase of $1.47 a week over 1902. The cost of maintenance per inmate, per week, was $7.56. The cost of uncooked food supplies for all persons, including patients and the entire household at the hospital was $15,916.76. The daily average number of patients was 131; of officers and employees, including house and nursing staff, 87, or a total daily average of 218 persons. The number of weeks' board for all persons was 11,396, and the weekly cost per person for uncooked food supplies was $1.40, or 20 cents per day.

EXPENSE.

The total expenditure by the Superintendent has been $86,110.04, which is itemized as follows: —

Provisions		$15,916 76
Meat, fish and poultry	$5,859 66	
Fruit and vegetables	2,151 44	
Bread and flour	881 16	
Milk	2,045 58	
Groceries	2,969 77	
Butter and eggs	2,009 15	
Wines, liquors and alcohol		168 40
Water rates		1,401 60
Soap		232 44
Gas		537 70
Ice		895 40
Heat, light and power		12,392 00
Fuel (kitchen)		519 91
Medicines and dispensary		4,269 39
Furniture		255 55
Stationery and printing		769 97
Wages		25,853 78
Officers (Superintendent, Pathologist, Matron, Assistant Matron, Druggist)	4,855 24	

Clerks (office, out-patient department and telephone)	$2,182 47	
Engineers	840 00	
Painters	720 00	
Laboratory assistant	456 00	
Ward masters	2,329 33	
Carpenter	360 00	
Orderlies	1,007 50	
Porters	1,223 53	
Apothecary assistant	381 00	
Elevator	240 00	
Head and operating-room nurses	3,356 00	
Post-graduate nurses	476 03	
Special nurses	63 00	
Attendant nurses	2,764 00	
Kitchen and dining rooms	1,683 93	
Laundry	1,338 29	
Ward maids	498 50	
General	818 96	
Sewing room	260 00	
Cost of optical department		$10,670 50
Optical and surgical instruments and repairs		1,409 53
Repairs and improvements		2,404 89
Plumbing	425 51	
Laundry machinery	87 16	
Steam plant	314 39	
Electric plant	35 46	
Carpentering	106 90	
Painting and glazing	57 63	
Kitchen cooking apparatus	147 77	
Gas range	400 06	
Elevator	56 28	
House cleaning	224 95	
Mattresses	131 33	
Improvements nurses' rooms	149 55	
New sinks	82 35	
Grounds	51 00	
Settees, etc., on roof	119 60	
Locks, keys, etc.	14 95	
Furnishings and supplies		6,998 16
Kitchen	116 62	
Linen room	532 04	
Surgical supplies	2,380 68	
Laundry supplies	159 27	

Steam plant supplies	$94 90	
Paint and oil	840 26	
Bacteriological laboratory supplies	40 13	
Electric fixtures and lamps	249 38	
Disinfectant	147 90	
Patients' dishes	163 86	
Grounds	6 58	
General supplies	1,037 26	
Uniforms:		
Doctors	77 85	
Nurses	320 38	
Orderlies	102 57	
Domestics	28 38	
Patients	700 10	
Contingent and sundries		$1,414 06
Sundries and training school	172 53	
Surgeons' library	193 69	
Nurses' library	25 25	
Postage and express	154 31	
Telephone	589 12	
Laboratory	27 00	
Grounds	10 00	
Advertising	16 00	
Inspection of elevator	36 00	
Office expense	142 16	
Dispensary	48 00	

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

During the past year eighty-eight lectures and classes were given by the Surgical Staff, the House Staff and the Superintendent of Nurses. The subjects covered were the Anatomy and Physiology of the Eye and Ear, Clinical Diseases and Surgery of the same, Refraction, Aural and Ophthalmic Nursing and special nursing of Brain Abscess, and the Ear in Art and History. Eight lectures were given on the Hospital Formulary. Special and individual instruction were given in sterilizing, etherizing, operating-room technique, and the preparation of infants' food.

The number of post-graduate nurses taking the course was nine. Nine graduates received the diploma of the school. Twenty-four applications for the course were received during the year.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient Departments from September 30, 1894, to October 1, 1903, showing the yearly increase in the number of patients treated in each department, also the total number of patients treated in both departments during the past ten years: —

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1894	791	277	14,260	5,109	20,437
1895	782	248	14,204	4,946	20,180
1896	912	285	15,359	5,545	22,101
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
1902	1,483	750	22,839	7,180	32,252
1903	1,548	975	23,614	7,876	34,013
Totals	11,990	5,130	180,913	61,789	259,822

A total of 242,702 new patients treated in the Out-Patient Department. As these patients made an average of three visits, it brings the total number of visits of patients to 728,106.

Respectfully submitted,

FARRAR COBB, M.D.,

Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary.

Gentlemen: The surgeons again welcome the opportunity of expressing their satisfaction at the new order of things. The facilities for more efficient work afforded by the new building are a constant source of pleasure, and the passing year has but made the advantages more evident.

If, however, it is our privilege to enjoy these advantages, it is yet our duty to suggest wherein the service may be improved. The problem of the Vision room remains unsolved. The work of this department properly done demands much care and time, and it is exceedingly difficult to give either of these in due amount to the great number of patients applying for this service. It would be to the advantage of all if this work could be bestowed on fewer and more worthy people. To this end we would suggest that a distinction, in point of fitness, be made between patients applying for advice about glasses — a service which requires only one or two visits, and those who, with disease, need more continuous attendance. We believe that such discrimination is practical, just, and necessary. In this way the really needy would receive more benefit and the others suffer no injustice.

The establishment of a card-catalogue system for the Aural House-Patients, similar to that in use in the Eye Department, is now in progress and will prove to be of

the utmost value not only in recording important cases, but also in the better classification of the House Cases.

In conclusion, the surgeons would express their thanks to the Superintendent, Matron, Clinical Assistants, House-Officers and Nurses for the able and efficient manner in which they have discharged their respective duties.

For the Full Board of Surgeons,

EDWIN E. JACK.
E. M. PLUMMER.

September 30, 1903.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Lids.

Abscess	2
Blepharitis	3
Blepharitis, ulcerative	1
Chalazion	1
Chancre	1
Cyst	1
Ectropion	3
Entropion	9
Epicanthus	1
Ptosis:	
Acquired	4
Congenital	3
Trichiasis	7
Tumors	5
Total	41

Lachrymal Apparatus.

Abscess of lachrymal sac	11
Abscess of lachrymal gland	1
Dacryo-cystitis	16
Fistula	1
Lachrymal obstruction	5
Total	34

Conjunctiva.

Conjunctivitis:	
Acute	4
Diphtheritic	1
Gonorrhœal	40
in infants	76
Muco-purulent	4
Phlyctenular	8
Purulent	3
in infants	13
Trachomatous	40
with Pannus	27
Vernal	2
Pterygium	4
Symblepharon	15
Tumors:	
Epithelioma	2
Sarcoma	1
Total	240

Cornea.

Abscess	17
Keratitis:	
Simple	3
Superficial	4
Traumatic	4
Fasicular	4
Filamentous	1
Interstitial	30
Phlyctenular	96
Ulcerative	70
with Hypopyon	54
Concentric	1
Dendritic	7
Marginal	17
Perforating	20
Serpiginous	1
Vascular	2
Kerato-conus	1
Kerato-iritis	19
Kerato-irido-cyclitis	1
Kerato-scleritis	6
Leucoma:	
Adherent	7
Inflamed	13

Partial	14
Staphyloma	17
Tumors:	
Dermoid	1
Epithelioma	2
Total	412

SCLERA.

Episcleritis	4
Rupture	3
Tumor	1
Total	8

IRIS AND CILIARY BODY.

Blocked pupil	11
Iritis:	
Plastic	1
Rheumatic	29
Simple	24
Specific	28
Traumatic	3
Irido-cyclitis:	
Acute	12
Old	18
Iritic Adhesions	5
Total	131

LENS.

Cataract:	
Capsular	60
Congenital	16
Zonular	8
Complicated	5
Hypermature	15
Immature	74
Incipient	60
Mature	207
Pre-senile	5
Total	450

INJURIES.

Non-perforating:	
Conjunctiva	2
Cornea	40
Globe	8
with Hyphæma	16
with Dislocated Lens	7
with Hemorrhage in Vitreous	5
with Irido-dialysis	5
Lids	14
Perforating:	
Brow	2
Cornea	95
with foreign body	27
Ciliary region	9
with foreign body	2
Corneo-Ciliary region	12
Sclera	13
with foreign body	3
Sclero-Corneal region	15
Burns:	
Conjunctiva and cornea	43
Cornea	2
Lids	3
Total	323

OPTIC NERVE.

Optic Atrophy	4
Optic Neuritis	2
Total	6

CHOROID.

Choroiditis:	
Acute	4
Chronic	1
Disseminated	1
Suppurative	1
Sarcoma of	1
Total	8

RETINA.

Embolism central artery	1
Glioma	1
Retinitis Pigmentosa	1
Separated Retina	9
Total	12

GLOBE AND ORBIT.

Abscess of Orbit	4
Cavernous Sinus, Thrombosis of	1
Cellulitis of Orbit	3
Disorganized Globe	8
Empyema of Frontal Sinus	2
Glaucoma:	
Absolute	13
Acute	16
Chronic	12
Hemorrhagic	1
Simple	1
Secondary	2
Panophthalmitis	7
Phthisis Bulbi	34
Sarcoma	4
Sympathetic Ophthalmia	1
Tumor, Intra-ocular	1
Total	110

MUSCULAR AFFECTIONS AND NEUROSES.

Exophoria	1
Paralysis of 3d Nerve	1
6th Nerve	1
Strabismus:	
Convergent	57
Alternating	6
Divergent	7
Vertical	1
Total	74

SUMMARY.

Lids	41
Lachrymal Apparatus	34
Conjunctiva	240
Cornea	412
Sclera	8
Iris and Ciliary Body	121
Lens	450
Injuries	323
Optic Nerve	6
Choroid	7
Retina	12
Globe and orbit	110
Muscular Affections and Neuroses	7
Total	1,838

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

Lids.

Abscess	4
Canthoplasty	5
Chalazion, excised	1
Cyst	3
Ectropion	2
Entropion:	
Lower lid	3
Green's operation	9
Hotz' operation	2
Panas	1
Electrolysis	1
Plastic	8
Ptosis	2
Pagenstecher	2
Scalping	3
Tumor, excised	2
Epithelioma	2
Wounds sutured	8
Total	58

Conjunctiva.

Plastic operation	2
Pterygium	4
Symblepharon	16
Stripping	21
Tumors	2
Total	45

Cornea.

Cauterized	14
Foreign body removed	1
Paracentesis	5
Saemisch	26
Staphyloma, anterior	2
Tattooed	4
Tumor	3
Total	55

Iris.

Iridectomy:	
Artificial pupil	17
Foreign body	1
Freeing Anterior Synechiæ	6
Posterior Synechiæ	7
Glaucoma	27
Old Irido-cyclitis	11
Iridotomy	2
Prolapsed Iris:	
Abscised	12
Cauterized	19
Replaced	1
Total	103

Muscles.

Advancement:	
External Rectus	20
Internal Rectus	7
Tenotomy:	
External Rectus	10
Internal Rectus	32
Superior Rectus	1
Total	70

Lens.

Capsule operation	95
Cataract:	
Attempted	5

Complicated	5
Modified Graefe	50
Simple	57
with Buttonhole of Iris	57
with Iridectomy	14
Discission	61
Linear Incision	8
Suction	30
Total	382

ENUCLEATIONS.

For Disorganized Globe	8
Foreign body	4
Glaucoma	5
Injury	28
Irido-cyclitis	2
Panophthalmitis	10
Phthisis Bulbi	11
Staphyloma	5
Sympathetic Inflammation threatened	1
Tumor of Globe	4
Total	78

MISCELLANEOUS.

Abscess of Lachrymal Sac	10
Orbit	1
Abscission of Vitreous	2
Asperation Separated Retina	1
Artificial, Stump Paraffin	1
Dislocated Lens	5
Division Membrane in Vitreous	3
Evisceration	6
Mules' operation	3
Mules' operation modified	7
Extirpation of Lachrymal Gland	1
Sac	14
Foreign Body:	
Anterior Chamber	5
Vitreous, Magnet	4
Frontal Sinus	2
Magnet, Attempted	15
with Iridectomy	1
Operation for Intraocular Steel	19
Modified Peritomy	2
Optico-ciliary Neurotomy	1
Probing Lachrymal Duct	3
Resection Superior Cervical Sympathetic	1
Total	107
Total	898

OUT-PATIENTS.

Abscess, Brow	3
Lachrymal	23
Lids	34
Chalazion	247
Cornu-cutaneum	4
Cyst lids	10
Epithelioma lid	1
Foreign body, Anterior Chamber	1
Conjunctiva	70
Cornea	2,350
Cul-de-sac	1
Lids	436
Sclera	5
Granuloma lids	3
Growth lids	9
Hordeolum	75
Milium	10
Pterygium	45
Papilloma	4
Tenotomy Internal Rectus	6
Tumor, Conjunctiva	2
Lids	3
Sclera	1
Verruca	2
Xanthelasma	1
Total	3,346

OPHTHALMIC OUT-PATIENT DEPARTMENT.

New Patients (Male) . . 12,161	New Patients (Female) . 11,453

DISEASES OF OUT-PATIENTS.

Lids.

Abscess	50
Angianoma	1
Blepharitis	981
Burn	33
Canities	4
Chalazion	452
Cornu-cutaneum	5
Cyst	31
Dermatitis	16
Ecchymosis	56
Ectropion	35
Eczema	59
Edema	96
Emphysema	7
Epicanthus	4
Entropion	29
Epithelioma	19
Erysipelas	2
Foreign body	340
Granulation	7
Growth	8
Herpes Zoster	2
Hordeolum	272
Impetigo Contagiosum	1
Lagophthalmus	5
Lippitudo	1
Lithiasis	3
Milium	15
Nævus	6
Neoplasm	1
Papilloma	7
Phthiriasis	8
Ptosis	56
Symblepharon	11
Trichiasis	72
Tumors	11
Ulcers	2
Verruca	10
Wound	52
Xanthelasma	2
Total	2,772

Lachrymal Apparatus.

Abscess	64
Cyst	1
Dacryo-cystitis	37
Epiphora	182
Foreign body	1
Fistula	9
Lachrymal obstruction	128
Mucocele	58
Total	480

Conjunctiva.

Abrasion	5
Burns	60
Conjunctivitis:	
Blennorrhœal	32
Catarrhal, Acute	842
Catarrhal, Chronic	403
Colloid	1
Diphtheritic	3
Follicular	60

Gonorrhœal	60
Granular	160
Granular with Pannus	42
Muco-purulent	69
Neonatorum	40
Phlyctenular	476
Simple	2,237
Strumous	2
Traumatic	203
Cut	25
Cysts	3
Ecchymosis	232
Edema	26
Emphysema	1
Foreign body	63
Lymphangiectasis	2
Pinguecula	31
Pterygium	129
Tumor	2
Total	5,209

CORNEA AND SCLERA.

Abrasion	197
Abscess	7
Bleb	1
Buphthalmus	3
Burn	48
Cicatrix	2
Cyst	1
Descemetitis	5
Epithelioma	3
Episcleritis	64
Foreign body, Cornea	2,184
Sclera	8
Infiltration Cornea	70
Keratitis:	
Dendritic	3
Fascicular	9
Interstitial	42
Phlyctenular	317
Punctate	1
Simple	176
Superficial	119
Traumatic	13
Ulcerative	46
Vascular	12
Kerato-conus	5
Kerato-iritis	15
Leucoma	250
Adhærens	27
Inflamed	53
Maculæ Cornea	193
Megalo-cornea	4
Nebulæ	281
Rupture Sclera	1
Scleritis	14
Sclero-keratitis	3
Staphyloma Cornea	17
Sclera	4
Tumor, Cornea	4
Ulcers, Cornea	416
with Hypopyon	41
Dendritic	3
Phlyctenular	12
Serpiginous	3
Traumatic	83
Vascular	5
Wound of Ciliary region	3
Cornea	95
Sclera	28
Total	4,891

IRIS CILIARY BODY.

Argyll-Robertson pupil	3
Bombé iris	3
Ciliary injection	29
Coloboma	9
Corectopia	1
Foreign body iris	1
Gumma	5
Hyperæmia	1
Irido-cyclitis	25
Irido-dialysis	14
Irido-donesis	30
Irido-plegia	1
Iritis:	
Rheumatic	42
Specific	285

Traumatic	27
Iritic adhesions	18
Mydriasis	23
Artificial	41
Myosis	4
Occluded pupil	24
Edema	1
Prolapsed	6
Rupture	3
Synechiæ:	
Anterior	25
Posterior	34
Tumor	1
Wound	1
Total	657

LENS.

Aphakia	15
Cataract:	
Black	1
Capsular	3
Congenital	16
Cortical	4
Incipient	382
Lamellar	7
Mature	260
Nuclear	3
Posterior-polar	16
Traumatic	90
Coloboma	1
Dislocated lens	27
Foreign body	4
Edema lens	1
Opacities	97
Total	927

VITREOUS.

Hemorrhage	11
Hyalitis	5
Muscæ Volitantes	26
Opacities	160
Synchisis Scintillans	1
Webs	1
Total	204

ANTERIOR CHAMBER.

Foreign body	5
Hyphæma	40
Total	45

OPTIC NERVE.

Atrophy	65
Coloboma	1
Neuritis	19
Retro-bulbar	2
Total	87

RETINA.

Changes in Macula	27
Coloboma Macula	1
Embolism central artery	6
Glioma	2
Hemorrhage in Macula	22
Neuro-retinitis	12
Edema Macula	3
Pigmentary degeneration retina	1
Retinitis:	
Albuminuric	20
Hemorrhagic	13
Separation retina	38
Thrombosis	7
Total	152

CHOROID.

Atrophy	25
Choroiditis	89
Coloboma	4
Glaucoma	77
Irido-choroiditis	2
Papillitis	4
Retino-choroiditis	11
Sclerotico-choroiditis	1
Rupture Choroid	2
Staphyloma:	
Anterior	5
Posterior	14
Total	234

Globe and Orbit.	
Abscess Orbit	1
Anophthalmos	42
Cellulitis	4
Disorganized Globe	31
Emphysema Globe	3
Epithelioma Globe	1
Orbit	1
Exophthalmos	4
Foreign Body Globe	21
Growth Orbit	1
Hydrophthalmos	1
Inter Ocular Hemorrhage	1
Irritable Orbit	4
Microphthalmos	2
Panophthalmitis	4
Phthisis-bulbi	26
Rupture Globe	5
Sympathetic Ophthalmia	3
Tenanitis	1
Tumor, Orbit	9
Total	165

General Injuries.	
Blows and cuts	337
Burns	63
Total	400

Accommodation and Refraction	
Anisometropia	1
Asthenopia	870
Astigmatism	2,320
Emmetropia	8
Hypermetropia	3,329
Myopia	1,282
Paralysis of Accommodation	8
Presbyopia	2,356
Total	10,174

Affections of the Percipient Apparatus.	
Amblyopia	63
Alcohol, tobacco, &c.	36
Hemianopsia	7
Nyctalopia	4
Photopsia	1
Scotoma	53
Total	164

Muscular Affections and Neuroses.	
Blepharospasm	9
Diplopia	24
Esophoria	6
Exophoria	12
Exophthalmic goitre	6
Hemiplegia	3
Hyperphoria	5
Locomotor Ataxia	2
Nictitation	7
Nystagmus	69
Paralysis, Facial	18
Third	48
Fourth	6
Sixth	9
Photophobia	20
Strabismus:	
Alternating	11
Convergent	427
Divergent	97
Transient	1
Vertical	2
Supro-orbital Neuralgia	9
Total	791

Miscellaneous.	
Eloped	127
Entered by mistake	1
No diagnosis	244
No disease	75
Vision cases not refracted	886
Referred to other institutions	48
Unfit	370
Refused treatment	14
Total	1,765

Other Diseases.	
Abscess head	1
Anæmia	9
Chlorosis	2
Chorea	2
Diabetic	1
Eczema	15
Epileptic	1
Ethmoiditis	1
Frontal Sinus	13
Jaundice	1
Total	46

SUMMARY OF DISEASES.

Lids	2,772
Lachrymal Apparatus	480
Conjunctiva	5,209
Cornea and Sclera	4,891
Iris and Ciliary body	657
Lens	927
Vitreous	204
Anterior Chamber	45
Optic Nerve	87
Retina	152
Choroid	234
Globe and Orbit	165
General injuries	400
Accommodation and Refraction	10,174
Affections of the Percipient Apparatus	164
Muscular Affections and Neuroses	791
Miscellaneous	1,765
Other diseases	46
Total	29,163

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF EXTERNAL EAR.

a. *Neoplasms.*

	R.	B.	L.
Epithelioma of auricle	0	0	1

b. *Malformations.*

Congenital lop-ears	0	1	0

c. *Miscellaneous.*

Abscess near tragus	0	0	1
Erysipelas of auricle	2	0	1
Cellulitis of auricle	1	0	0
Eczema of auricle	0	1	0
Otheamatoma	1	0	1

II. DISEASES OF THE MEATUS.

Otitis externa diffusa	1	0	1
Otitis externa circumscripta	1	0	2
Keratosis	0	1	0
Foreign body of meatus	0	0	1

III. DISEASES OF MIDDLE EAR.

a. *Acute Inflammations.*

Otitis media acuta — simple	4	2	5
With mastoiditis	4	3	10
With otitis externa circumscripta	0	0	1
With otitis externa diffusa	0	0	1
With broncho pneumonia	1	0	0

b. *Acute Suppurative Inflammations.*

Otitis media suppurativa acuta — simple	25	10	14
With mastoiditis	70	8	48
With mastoiditis and meningitis	0	0	3

	R.	B.	L.
With mastoiditis and cerebral abscess	0	0	1
With mastoiditis and sinus thrombosis	3	0	0
With mastoiditis and otitis externa diffusa	1	0	2
With mastoiditis (Bezold)	1	0	0
With mastoiditis and adenoids	0	0	1
With erysipelas	2	0	1
With post aural abscess	2	0	5
With cervical abscess	0	0	1
c. *Chronic Catarrhal.*			
Otitis media catarrhalis chronica	0	2	0
Otitis media secernens chronica	0	2	0
d. *Chronic Suppurative Inflammations.*			
Effectus otitis mediæ suppurativæ chronicæ	0	1	0
Otitis media suppurativa chronica — simple	5	5	2
With cervical abscess	1	0	2
Suppurative cervical adenitis	0	1	0
With facial paralysis	0	0	1
With parotid fistula	1	0	0
With cholesteatoma	1	0	3
With post aural abscess	2	0	1
With granulations in tympanum	1	2	1
With polypus in tympanum	3	3	4
With caries of ossicles	1	5	5
With cerebral abscess	1	0	0
With atresia of canal	1	0	3
With multilocular angiocystoma	0	0	1
With mastoiditis	27	3	21
With mastoiditis (Bezold)	0	1	0
With mastoiditis and cervical abscess	0	0	1
With mastoiditis and polypus in tympanum	0	0	1
With mastoiditis and otitis externa diffusa	0	0	1
With mastoiditis and meningitis	1	0	3
With cerebral abscess	1	0	0
With mastoiditis and atresia of canal	0	0	1
With recurrent mastoiditis	6	0	4
With recurrent mastoiditis and sinus thrombosis	0	0	2
With recurrent mastoiditis and thrombosis of jugular	1	0	0
With mastoid fistula and facial paralysis	0	0	1
IV. DISEASES OF LABYRINTH.			
Labyrinthitis (specific)	0	6	0

V. NOSE AND NASO PHARYNX.

	R.	B.	L
Adenoids	0	429	0
Adenoids and tonsils	29	48	22
Tonsils	4	4	0
Hypertrophied turbinates	1	1	1
Deviation of Septum	0	3	0
Nasal polypi	2	0	0
Ethmoiditis with lachrymal abscess and fistula	0	0	1
Fracture of nasal bones	0	1	0
Foreign body in nose	0	1	0
Purulent rhinitis	0	1	0

VI. MISCELLANEOUS.

Stapes fixation	3	0	0
Osteosclerosis of mastoid	1	0	0
Hysterical deafness	1	0	0
Deaf mutism	2	0	0
Post aural abscess	8	0	3
Frontal Sinusitis acute	2	0	2
Frontal Sinusitis chronic	1	0	0
Fracture of skull with mastoiditis	1	0	0
Cervical abscess	0	1	0
Diphtheria	0	1	0
Neurasthenia	0	1	0
Myxedema	0	1	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

	R.	B.	L.
Abscess of tragus incised	1	0	1
Abscess of lobe incised	2	0	0
Cyst removed	3	0	6
Carcinoma removed	1	0	1
Othæmatoma incised	2	0	6
Amputation of auricle	0	0	1

2. Meatus.

Abscess incised	38	0	39
Circumscribed abscess incised	18	2	4
Foreign body removed	2	0	2
Polypus removed	2	0	0
Stenosis	0	0	1

3. Tympanum.

Drum membrane, paracentesis	285	58	257
Carious ossicles removed	6	4	4
Carious malleus and incus removed	2	0	0
Granulations in tympanum removed	0	0	2
Polypus removed	57	5	64

4. Nose and Pharynx.

Nose, spur removed	0	57	0
Nose, turbinate removed	0	49	0
Nose, polypus removed	13	1	7
Nose, foreign body removed	0	1	0
Deflected septum straightened	0	6	0
Naso pharynx, adenoids removed	0	418	0
Naso pharynx, adenoids and tonsils removed	0	111	0
Naso pharynx, tonsils removed	0	8	0

5. Mastoid Region.

Abscess peri auricular incised	2	0	1
Cervical abscess incised	6	0	3
Mastoid operations	102	2	81
Mastoid operation with brain abscess	1	0	0
Mastoid operation with tying of jugular	1	0	0
Curetting mastoid	2	0	2

Miscellaneous.

Frontal sinus	1	0	0
Various operations	13	7	13

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	2	0	1
Abscess of lobe	1	0	0
Abscess of tragus	6	0	2
Congelatio	2	3	4
Dermatitis	2	0	2
Eczema	42	12	22
Perichondritis	1	0	1
Hæmatoma traumatica	1	0	1
Herpes Zoster	1	0	1
Ulcer	1	0	2

b. *Deformities.*

Microtia	2	0	1
Congenital fistula of auricle	1	0	1

c. *Neoplasms.*

Cyst of auricle	4	0	4
Cyst of lobe	3	0	1
Carcinoma	1	0	0
Epithelioma	1	0	2
Othæmatoma	5	0	7
Papilloma	1	0	0

d. *Trauma.*

Auricle	2	0	0

2. Meatus.

Cerumen	629	684	528
Trauma	1	0	0
Atresia	1	0	2
Abscess	10	1	7
Eczema	15	10	20
Acute diffuse inflammation	39	6	28
Chronic diffuse inflammation	5	0	1
Acute circumscribed inflammation	84	10	93
Foreign body (animate)	6	0	13
Foreign body (inanimate)	15	0	10

II. DISEASES OF THE DRUM MEMBRANE.

	R.	B.	L
Trauma direct	6	0	2
Trauma indirect	2	0	4

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

Mucous	117	151	138
With adenoids	28	43	40
Serous	16	4	6
Serous with adenoids	20	32	61

Chronic Secretory Catarrhal Inflammation.

Mucous	139	260	142
With adenoids	28	39	23
Serous	6	1	2
Serous with adenoids	5	42	8
With labyrinthine disease	4	4	5

b. *Adhesive Catarrhal Inflammation.*

Secretory	103	315	122
Secretory with labyrinthine disease	6	8	2
Insidious	17	95	19

c. *Acute Inflammation.*

Simple	326	102	289
With adenoids	50	29	49
With mastoiditis	82	2	41
With facial paralysis	1	0	0
With post aural abscess	1	0	2
With mastoid abscess	1	0	0

d. *Acute Suppurative Inflammation.*

Simple	335	131	346
With caries of mastoid	1	0	0
With mastoiditis	118	4	69
With post aural abscess	9	0	3
With facial paralysis	1	0	0
With adenoids	16	2	12

e. *Chronic Suppurative Inflammation.*

Simple	282	139	192
With atresia of meatus	1	0	0
With caries of mastoid	1	0	1
With mastoiditis	29	12	39
With caries of the ossicles	20	3	18
With caries of the ossicles and granulations	1	0	1
With caries of the ossicles and polypus in tympanum	1	0	1

	R.	B.	L.
With carcinoma	0	0	1
With facial paralysis	1	0	1
With polypus in the tympanum	52	3	67
With polypus in the tympanum and facial paralysis	1	0	1
With granulations in the tympanum	58	6	49
With post aural abscess	2	0	1
With post aural abscess, gland in neck	1	0	0
With adenoids	58	22	63
With peri auricular abscess	1	0	0
Effect of suppurative inflammation	289	114	106
Effect of suppurative inflammation with mastoiditis	1	0	1
Effect of suppurative inflammation with labyrinthine disease	0	1	0
Effect of suppurative inflammation with adenoids	19	3	15
Effect of suppurative inflammation with cervical abscess	0	0	1
4. Neurosis of Middle Ear.			
Otalgia from teeth	48	10	30
Otalgia from pharynx	7	0	1
Diseases of the Labyrinth.			
Labyrinthitis	6	15	10
Anæmia	1	0	0
Concussion	4	0	3
Hemorrhage	1	1	1
Miscellaneous.			
Adenoids	0	92	0
Adenoids and tonsils	0	42	0
Hypertrophic rhinitis	0	40	0
Atrophic rhinitis	0	15	0
Purulent rhinitis	0	17	0
Deaf mutism	0	6	0
Polypus (nose)	0	9	0
Spur (nose)	0	19	0
Foreign body (nose)	0	2	0
Sarcoma (nose)	0	1	0
Sarcoma parotid	0	1	0
Contraction of tensor tympani	0	1	0
Lop ears	0	3	0
Verruca	1	0	0
Deflected septum	0	10	0
Eloped	0	16	0
No diagnosis	0	40	0
No ear disease	0	106	0
Unfit patients	0	112	0

STATISTICS, OCT. 1, 1902, TO OCT. 1, 1903.

EAR PATIENTS.

MALES.

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Total.
Birth to 3 years.....	19	21	19	11	16	32	28	31	25	17	9	18	246
3 yrs. to 15 "	52	41	45	88	57	70	85	95	75	86	83	69	846
15 " " 25 "	53	42	51	55	64	73	69	85	71	92	64	62	781
25 " " 35 "	72	60	40	70	80	90	73	63	82	115	80	64	889
35 " " 45 "	50	51	35	56	52	67	57	50	49	59	67	57	650
45 " " 55 "	27	32	32	29	41	52	37	40	45	40	46	31	452
55 " " 65 "	19	31	21	18	11	44	23	32	27	39	36	36	337
65 " " 75 "	9	11	2	9	8	7	16	12	9	19	12	15	129
75 " " 85 "	6	3	3	0	1	1	4	4	2	3	4	1	32
85 " " 95 "	0	0	0	0	0	0	0	0	0	0	0	0	0
													4,362

FEMALES.

Birth to 3 years.....	10	25	12	27	10	21	30	44	22	13	13	19	246
3 yrs. to 15 "	65	46	42	49	56	106	86	70	71	69	66	53	779
15 " " 25 "	76	47	45	55	68	76	75	64	61	48	62	68	745
25 " " 35 "	45	36	36	50	39	64	61	55	54	57	48	53	598
35 " " 45 "	31	30	27	36	41	42	53	42	35	46	42	39	464
45 " " 55 "	37	26	17	30	38	37	32	35	33	37	36	30	388
55 " " 65 "	24	5	4	13	5	27	22	21	15	36	27	17	216
65 " " 75 "	6	5	4	2	1	5	4	13	7	8	9	5	69
75 " " 85 "	0	1	2	0	0	2	0	2	1	0	0	1	9
85 " " 95 "	0	0	0	0	0	0	0	0	0	0	0	0	0
													3,514

Residents of Boston....	315	272	240	267	258	428	363	376	335	403	302	320	3,879
Residents of Mass.....	272	233	185	322	323	371	380	369	331	369	395	307	3,857
Residents of Maine....	1	1	1	1	3	5	6	1	2	3	1	3	28
Residents of N.H.....	10	1	9	6	1	10	4	6	12	6	3	4	72
Residents of Vt.	2	1	0	1	1	1	1	1	2	0	1	1	12
Residents of R.I.....	1	1	1	0	1	0	0	1	1	1	0	1	8
Residents of Conn.....	0	2	0	0	0	1	1	1	1	1	1	0	8
Res'nts of other States,	0	1	1	1	1	0	0	2	0	0	0	1	7
Res'nts of British Prov.	0	1	0	0	0	0	0	1	0	1	1	1	5

New Patients.....	601	513	437	598	588	816	755	758	684	784	704	638	7,87
Old Patients.....	1,847	1,544	1,171	1,457	1,486	2,075	1,941	1,947	1,659	1,936	1,895	1,943	20,90
Totals.....	2,448	2,057	1,608	2,055	2,074	2,891	2,696	2,705	2,343	2,720	2,599	2,581	28,777

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is ten dollars ($10) per month.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1902-1903.

The managers desire to gratefully acknowledge the receipt of the following donations in 1902–1903 : —

Magazines, from Col. Wm. D. Sohier.

Flowers, from Boston Flower and Fruit Mission.

Fifty pieces of clothing, from Needlework Guild of America, through Mrs. R. M. Morse.

Books for Ophthalmic Library, from Dr. Gustavus Hay.

Childrens' clothing, shoes and slippers, from Miss Bertha M. Snow.

Picture books, from Mrs. J. T. Hill.

Flowers, from Hereford Club, Boston.

Clothing, anonymous.

Book for Ophthalmic Library, from Dr. Hasket Derby.

Old linen, from Mrs. B. P. Cheney.

Magazines, from Mr. Wm. H. Seabury.

Knit bandages, from Miss Atkinson.

Three barrels of apples, from Dr. Frederick L. Jack.

Toys, from Mr. Frank A. Day.

Books and magazines, from Mr. F. L. Higginson.

Infants' clothing, from Lend-a-Hand Society, through Miss Putnam.

Flowers, from Hospital Music Fund, through Dr. John Dixwell.

Toys, from Mrs. C. P. Curtis.

Grapes, from Mr. Wm. H. Seabury.

Medical Journals for the Surgeons' Library, from Dr. B. Joy Jeffries.

Underclothing, anonymous.

Toys, from Mrs. C. P. Curtis, Jr.

Magazines, from Mr. George W. Kimball.

Christmas tree, from Mr. H. W. Morse.

Christmas greens, from Mr. Johnson.

Christmas greens, from Mr. Childs.

Money for Christmas presents, from Mrs. C. P. Curtis.

Toys, from Mrs. Oliver Ames.

Through the kindness and courtesy of Dr. John Dixwell, the house patients were treated to a musical entertainment in the spring.

Through the kindness and generosity of the following persons, we were enabled to have a large Christmas tree, with presents for over two hundred patients and employees: —

Mr. Augustus Hemenway, Mr. Charles P. Curtis, Mr. George P. Gardner, Mr. Henry Parkman, Mr. Charles Lowell, Mr. Francis L. Higginson, Mr. William D. Sohier, Mr. William H. Seabury, Mr. Eben S. Draper, Mr. Robert Homans, Mr. William S. Spaulding, Dr. George B. Shattuck, Mrs. C. P. Curtis, Mrs. Oliver Ames, Mr. Frank A. Day, Mrs. C. P. Curtis, Jr., Episcopal City Mission.

SEVENTY-NINTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1904.

THE

Massachusetts Charitable Eye and Ear Infirmary

233 Charles Street, cor. Fruit Street, Boston.

OUT-PATIENT DEPARTMENT.

The Out-Patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A.M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent, between 10 and 11 A.M. and 2 and 3 P.M., ON WEEK DAYS ONLY.

Accident and emergency cases admitted at any time.

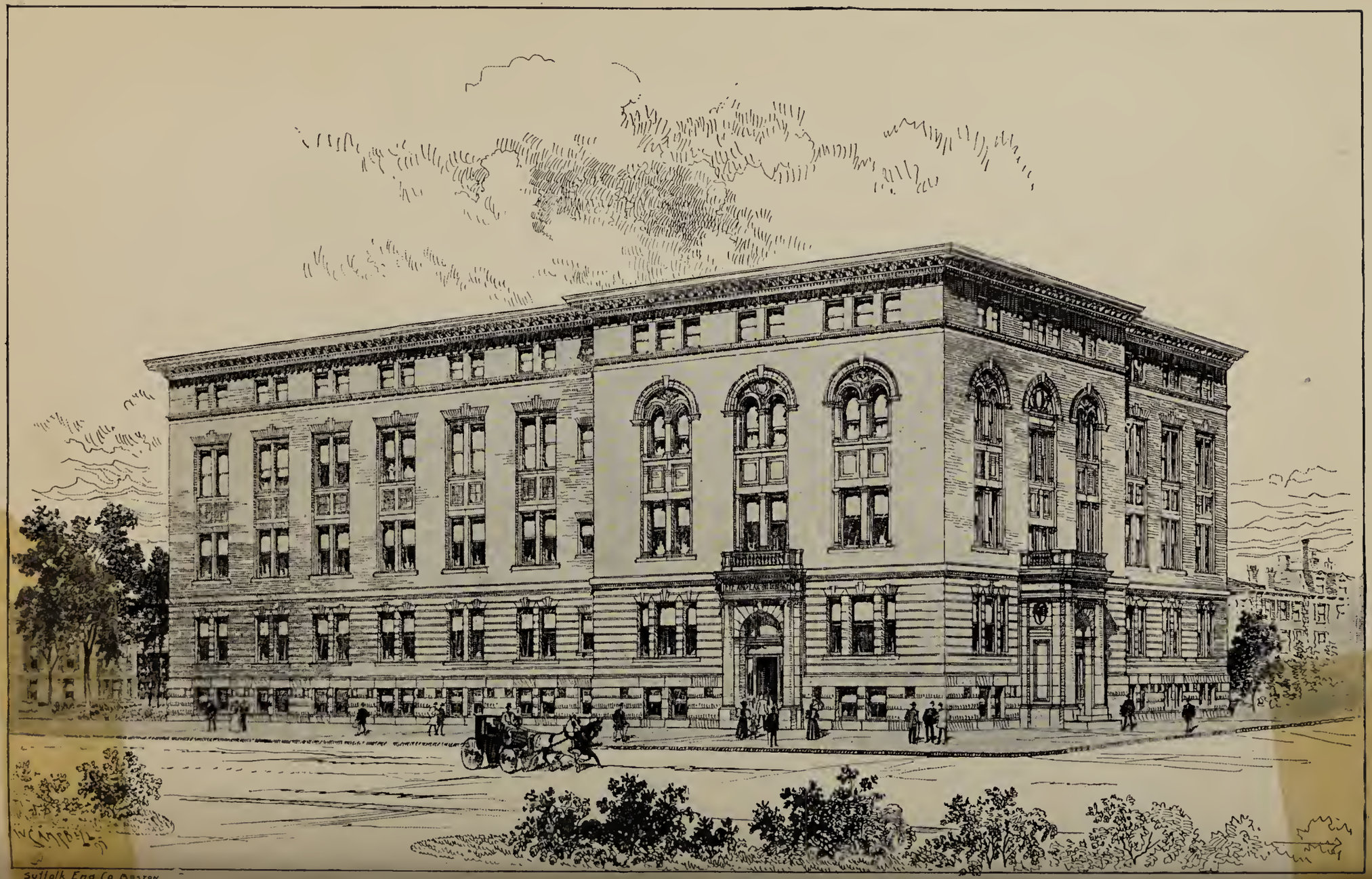
All communications in regard to the Infirmary, or in regard to any inmate, must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P.M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy,** and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.


W. Campbell
Suffolk Eng Co Boston

SEVENTY-NINTH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1904.

JAMES M. KENNEDY,
PRINTER,
56 Summer Street,
Boston.
1905.

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1904-1905.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

CHARLES P. CURTIS.
Feb. 7, 1882.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

CHARLES LOWELL.
Oct. 25, 1894.

FRANCIS L. HIGGINSON.
Oct. 25, 1894.

*WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

ROBERT HOMANS.
May 1, 1900.

WILLIAM S. SPAULDING.
Feb. 4, 1902.

*EBEN S. DRAPER.
Feb. 4, 1902.

DR. GEORGE B. SHATTUCK.
Oct. 30, 1902.

WILLIAM C. ENDICOTT.
Feb. 3, 1903.

RUSSELL G. FESSENDEN.
Feb. 3, 1903.

President.

DR. GEORGE B. SHATTUCK.

Secretary.

ROBERT HOMANS, 1035 EXCHANGE BUILDING, 53 STATE STREET, BOSTON.

Treasurer.

AUGUSTUS HEMENWAY, 10 TREMONT STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. CHARLES LOWELL.
WILLIAM H. SEABURY.

Finance Committee.

CHARLES P. CURTIS. CHARLES LOWELL.
FRANCIS L. HIGGINSON.

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* Appointed by the Commonwealth.

Visiting Committees.

January,	Mr. SEABURY,	July,	Mr. PARKMAN,
	Mr. HEMENWAY.		Mr. LOWELL.
February,	Mr. HEMENWAY,	August,	Mr. LOWELL,
	Dr. SHATTUCK.		Mr. HIGGINSON.
March,	Dr. SHATTUCK,	September	Mr. HIGGINSON,
	Mr. SPAULDING.		Mr. FESSENDEN.
April,	Mr. SPAULDING,	October,	Mr. FESSENDEN,
	Mr. HOMANS.		Mr. ENDICOTT.
May,	Mr. HOMANS,	November,	Mr. ENDICOTT,
	Mr. CURTIS.		Mr. GARDNER.
June,	Mr. CURTIS,	December,	Mr. GARDNER,
	Mr. PARKMAN.		Mr. SEABURY.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M.D.
HENRY L. SHAW, M.D.
SAMUEL J. MIXTER, M.D.
HENRY W. BRADFORD, M.D.
B. JOY JEFFRIES, M.D.
J. ORNE GREEN, M.D.

Ophthalmic Surgeons.

H. BECKLES CHANDLER, M.D.
OLIVER F. WADSWORTH, M.D.
MYLES STANDISH, M.D.
FREDERICK E. CHENEY, M.D.
EDWIN E. JACK, M.D.
ALEX. QUACKENBOSS, M.D.

Aural Surgeons.

CLARENCE J. BLAKE, M.D.
FREDERICK L. JACK, M.D.
EDWARD M. PLUMMER, M.D.
EUGENE A. CROCKETT, M.D.

Assistant Ophthalmic Surgeons.

HENRY H. HASKELL, M.D.
EDMUND W. CLAP, M.D.
FRED M. SPALDING, M.D.
A. GARDNER MORSE, M.D.
LEON W. MANSUR, M.D.
ELWOOD T. EASTON, M.D.

Assistant Aural Surgeons.

PHILIP HAMMOND, M.D.
GEORGE A. WEBSTER, M.D.
WALTER A. LECOMPTE, M.D.
E. De WOLFE WALES, M.D.

Ophthalmic Clinical Assistants.

ARTHUR J. SHAW, M.D.
CHARLES D. JONES, M.D.
ROBERT G. LORING, M.D.
PATRICK F. KELLEHER, M.D.
HARRY CALDWELL PARKER, M.D.
PETER HUNTER THOMPSON, M.D
SAMUEL J. McDONALD, M.D.
GEORGE S. DERBY, M.D.
CHARLES F. MOULTON, M.D.
WILLIAM MADDEN, M.D.
W. HOLBROOK LOWELL, M.D.

Aural Clinical Assistants.

LEON E. WHITE, M.D.
D. HAROLD WALKER, M.D.
FRANCIS J. WELLER, M.D.
BURT N. BRIDGMAN, M.D.
WILLIAM F. KNOWLES, M.D.

Pathologist.
FREDERICK H. VERHOEFF, M.D.

Consulting Neurologist to Aural Department.
JAMES J. PUTNAM, M.D.

Consulting Physician.
RICHARD C. CABOT, M.D.

HOUSE STAFF.

Ophthalmic House Surgeons.
CHARLES N. SPRATT, M.D. EDWARD K. ELLIS, M.D.

Ophthalmic Externe.
P. SOMERS SMYTH, M.D.

Aural House Surgeon.
GEORGE H. POWERS, Jr., M.D.

Aural Externes.
GEORGE L. TOBEY, Jr., M.D. HENRY G. LANGWORTHY, M.D.

EXECUTIVE OFFICERS.

Superintendent.
FARRAR COBB, M.D.

Matron and Superintendent of Nurses.
MARY COONAHAN.

Apothecary.
HOWARD W. MORSE.

Assistant to the Superintendent.
JOHN G. SCHROEDER.

Assistant Matron.
FLORA L. PYKE.

Supervisor.
MITCHELL A. DEARBORN.

Optician.
ANDREW J. LLOYD.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

In presenting their annual report for 1904, the Managers desire to call attention to the fact that not only has the degree of activity in the several departments of the Hospital, referred to in the yearly report of the last few years, been maintained, but the amount of work done both in the wards of the Hospital and in the Out-Patient Department has largely increased. The total number of patients treated in the wards was 2815, 292 more than last year. The daily average number of patients treated in the wards was 133, an increase of 2 over the preceding year. The total number of days' board furnished was 48,545, an increase of 865 days over the year 1903; of this board 30,046 days were for free patients; 18,499 days' board were paid for, but the average rate paid per week was only $3.27 a patient.

Throughout the entire year the contagious eye wards and the children's wards have been used to their fullest capacity. The importance of the work done in the Gardner Building, which is devoted to the treatment of contagious diseases of the eyes, can hardly be overestimated. 300 patients were treated in this building during the course of the year, and 293 of these were treated successfully.

If there had been no contagious eye wards nearly all of the persons who were treated successfully would have become blind. Such use has been made of the Infirmary that at times during the year the management were unable to admit, because of lack of room, 294 applicants, but of this number 248 were subsequently admitted. That a certain number of applicants could not be admitted temporarily does not mean, however, that any person needing urgent treatment was refused admission. All cases of urgency were invariably admitted to the hospital at once.

The use made of the Out-Patient Department is continually on the increase. 32,725 new patients were treated in the Out-Patient Department during the year, an increase of 1235 over 1903. The total number of visits of patients, old and new, to this department was 91,238.

In their last report the Managers pointed out that although during 1904 they could hope to make a considerable saving on prices for coal and provisions, it would be impossible to finish the year without a deficit of $8000 or $10,000. This prediction has been fulfilled, notwithstanding the fact that the per capita expense, or the actual cost of taking care of one house patient, for one week was reduced from $12.39 in 1903 to $12.04 in 1904, and notwithstanding the fact that the Legislature of 1904 maintained the annual appropriation at $30,000, to which sum the appropriation was advanced from $25,000 by the Legislature of 1903. The deficit for 1904 amounts to $8382.61.

This deficit, although it varies in different years, is an annual demand upon the resources of the institution. The Managers are confronted with a choice of two alternatives. Either the work of the Infirmary has to be cut down, thus diminishing its value to the most numerous class of its patients, the working class, who have to rely upon their ability to work for the maintenance of themselves and others dependent upon them, or the Managers have to

draw upon the capital of the Infirmary to make up the deficit in the running expenses. Fortunately, in every year the gifts from legacies and from other sources to the Infirmary have been greater than this deficit, so that the general funds of the Infirmary have never been decreased in value, but it will readily be recognized that if through any course of years legacies to the Infirmary should cease, the Managers would be obliged, in order to support the Infirmary, actually to diminish the principal of the funds in their hands. Such a result would be greatly to be deplored, and the Managers hope that their permanent fund may be made large enough by increased gifts and legacies to avoid future deficits.

Dr. F. H. Verhoeff, the Pathologist to the Infirmary, after a leave of absence for a year for the purpose of study in Europe, has returned to his work at the Infirmary, and has made a report for the Pathological Laboratory.

The Managers desire to acknowledge the following gifts and legacies received during the year: —

Gift of F. H. Peabody	$25 00
" " F. W. Hunnewell	100 00
Franklin Perrin, executor will of Mrs. John Ruggles	3,000 00
George F. Manning and George A. Gibson, executors will of Charles H. Hayden (on account)	30,000 00
Charles J. Simpson, administrator estate of Joseph H. Center	1,000 00
Estate of J. L. Farlow	2,500 00

ROBERT HOMANS,
HENRY PARKMAN,
RUSSELL G. FESSENDEN,
Committee of the Board of Managers.

September 30, 1904.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

INCOME, RECEIPTS AND DISBURSEMENTS

FOR THE YEAR ENDING SEPT. 30, 1904.

INCOME.

RECEIPTS:		
Income from investments		$14,901 15
Income from trustees, will E. V. Ashton		1,600 00
Income from estate Robert B. Brigham		1,000 00
Appropriation from State		30,000 00
Rebate of bank tax		66 51
Gifts for running expenses		125 00
From Superintendent, as per his report:		
Board patients	$5,119 49	
Opticians' account	15,833 05	
Medicines	7,812 60	
Sundries	76 40	
		28,841 54
		$76,534 20
Excess of expenditures over receipts		8,382 61
		$84,916 81

EXPENDITURES.

Running expenses, per account of Superintendent		$83,182 37
Additional expenses, per account of Treasurer:		
Annuities	$27 00	
Sundries	273 98	
Insurance	1,158 36	
Printing and sundries	275 10	
		1,734 44
		$84,916 81

REPORT OF THE SUPERINTENDENT,

For the Year ending September 30, 1904.

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 2815, which is 292 more than last year.

Of the 2815 house patients, 1664 were males and 1151 were females.

Number of patients treated in Ophthalmic wards,	1,546
Number of patients treated in Aural wards .	1,269

Of this number 300 were treated in the Gardner Building for contagious diseases. One hundred and thirty-six of these were infants under 1½ years. A report on the special work in the Gardner Building follows later. The daily average number of patients treated in this building was 16.

Of the total number of patients treated in the wards, 1214 were children under 14 years of age.

The daily average number of patients treated in the wards was 133, or 2 more than last year.

The largest number of house patients treated on any one day was 156; the smallest number, 88.

Number of free patients admitted . . .	1,479
Paying patients at $6.00 per week . . .	324
Paying patients at less than $6.00 per week .	900
Patients remaining in wards Sept. 30, 1903 .	112

The average rate paid per week per pay patient was $3.27.

The average stay per patient in the hospital under treatment was 17 days.

During the year 294 patients were refused admission for want of accommodation. Of this number 248 were subsequently admitted.

48,545 days' board was furnished to patients. 18,499 days were paid, and 30,046 were free.

RESIDENCE OF HOUSE PATIENTS.

Boston	1,067	British Provinces	1
Mass. (excepting Boston)	1,648	Italy	8
Maine	13	Russia	3
New Hampshire	51	England	1
Vermont	5	Ireland	1
Rhode Island	8		
Connecticut	3		2,815
Other States	6		

OCCUPATIONS OF HOUSE PATIENTS.

MALES.

Actor	1	Firemen	5
Agents	11	Gardeners	5
Bakers	6	Janitors	5
Barbers	9	Laborers	172
Blacksmiths	29	Laundrymen	5
Bookbinders	2	Lawyer	1
Bookkeeper	1	Letter carriers	2
Butchers	7	Masons	15
Carpenters and wood-workers	43	Machinists	35
Clerks	43	Metal-workers and moulders	31
Clergymen	2	Mill and factory operatives	127
Cooks	6	Messengers	6
Coachmen and hostlers	17	Musician	1
Chemists	2	Painters and glaziers	21
Electricians	7	Pedlers	17
Engineers	12	Patrolman	1
Farmers	34	Porters	8

Photographer	1	Storekeepers	6
Printers and compositors	9	Tailors	17
Physician	1	Teamsters	41
Plumbers and steamfitters	10	Teachers	2
Railroad employees	17	Upholsterer	1
Roofers	2	Waiters	11
Seamen and fishermen	15	Watchman	1
Salesmen	13	Unclassified	16
Shoemakers	24	Minors	695
Soldier	1	No occupation	47
Stonecutters	35		1,664
Students	9		
Steward	1		

FEMALES.

Actress	1	Nurses	14
Agents	2	Saleswomen	4
Bookkeepers	4	Stenographers	5
Cooks	7	Students	2
Clerks	14	Teachers	4
Domestics	71	Waitresses	12
Dressmakers and seamstresses	14	Minors	675
Housewives	219	No occupation	42
Lodging-house keeper	1		1,151
Mill and factory operatives	57		
Milliners	3		

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

2006 were well.
474 were relieved.
108 were not relieved.
45 left against advice.
41 died.
12 were not treated.
1 refused treatment.
1 eloped.
4 were transferred to other hospitals for other diseases.
123 remaining in hospital, September 30, 1904.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 954 operations performed in the house, and 2934 in the Out-Patient Department.

In the Aural Departments there were 1167 operations performed in the house, and 1160 in the Out-Patient Department.

SPECIAL REPORT ON THE WORK IN THE GARDNER BUILDING.

During the past year 300 patients were admitted to the wards in the Gardner Building. Of these there were 129 cases of gonorrhœal ophthalmia, 80 occurring in infants (ophthalmia neonatorum) soon after birth, usually on the third day. There were 48 cases of purulent ophthalmia, not gonorrhœal; 28 of these were in infants.

The cornea was involved at the time of entrance in 36 of the gonorrhœal cases, 22 of which were infants, 4 of which were children. The cornea was involved in 6 cases after admission; 1 of these was an adult, 2 were infants, and 3 were children.

Saemisch's operation was performed on 4 adults, 1 infant, and 1 child.

Enucleation was performed twice, these being in adults for staphyloma of the cornea.

Seven cases of specific iritis, with concomitant lesions of the disease, were treated.

There were also treated 2 cases of membranous conjunctivitis, 2 of trachomatous conjunctivitis, 1 specific optic neuritis, 1 phlyctenular conjunctivitis, 1 impetigo contagiosum of the face and lids, 1 orbital abscess, 1 ulcerative keratitis with chicken-pox.

One hundred and seven patients were transferred to the Gardner Building for chicken-pox, measles, whooping cough, erysipelas, and other contagious diseases which manifested themselves soon after admission to the hospital.

OUT-PATIENT DEPARTMENT.

New patients treated: —		
Ophthalmic: Males	12,025	
Females	11,918	
		23,943
Aural: Males	4,735	
Females	4,047	
		8,782
Total		32,725

Number of old patients treated in the Out-Patient Department was: —

Ophthalmic	30,137	
Aural	28,376	
		58,513
Total visits in Out-Patient Department,		91,238

RESIDENCE OF OUT-PATIENTS.

Boston	17,324	Connecticut	9
Mass. (excepting Boston)	15,022	Other states	20
Maine	87	British Provinces	6
New Hampshire	195	England	1
Vermont	32		
Rhode Island	29	Total	32,725

OCCUPATIONS OF OUT-PATIENTS.

Actors	10	Mill and factory operatives	2,411
Agents	155	Missionaries	14
Artists	4	Moulders	27
Bakers	101	Musicians	38
Barbers	160	Nurses	115
Blacksmiths	215	Painters	230
Bookbinders	44	Pedlers	222
Bookkeepers	195	Pensioners	2
Butchers	62	Photographers	15
Carpenters	479	Physicians and dentists	12
Clergymen	24	Plumbers	82
Clerks	1,673	Policemen and letter carriers	76
Cigarmakers	184	Porters	159
Coachmen and hostlers	192	Railroad employees	599
Compositors and printers	174	Sailors and soldiers	125
Cooks	228	Seamstresses	595
Domestics	1,474	Shoemakers	335
Electricians	88	Steam and gas fitters	57
Engineers	119	Stenographers	88
Engravers	14	Stonecutters	277
Farmers	187	Storekeepers	60
Firemen	166	Students	177
Fishermen	60	Tailors	562
Hotel-keepers	3	Teachers	135
Housewives	5,902	Teamsters	586
Hatters	20	Telegraph and telephone operatives	45
Laborers	2,031	Waiters	283
Laundresses	114	Wood-workers	178
Masons	160	Other occupations	931
Messengers	27	No occupation	472
Machinists	785	Minors	8,204
Mechanics	18		
Metal and iron workers	470	Total	32,725
Milliners	75		

RECEIPTS AND EXPENDITURES FOR 1904.

RECEIPTS.

Board of patients	$5,119 49	
Medicines	7,812 60	
Optical department	15,833 05	
Sundries	76 40	
		$28,841 54
Received from the Treasurer		54,340 83
Total		$83,182 37

EXPENDITURES.

Provisions	$15,458 41
Soap	383 45
Gas	409 30
Wages	28,203 56
Medicines and dispensary	4,101 14
Furniture	627 64
Heat, light and power	8,812 62
($2,144.81 is interest charges on the combined plants of the Massachusetts General Hospital and Eye and Ear Infirmary.)	
Kitchen fuel	524 76
Stationery and printing	856 55
Water rates	1,440 00
Ice	1,060 95
House and surgical appliances and supplies	4,580 05
Optical department	11,434 40
Instruments	1,503 79
Wines, liquors and alcohol	315 58
Repairs and improvements	2,123 21
Contingent and sundries	1,346 96
Total	$83,182 37

The value of stock on hand October 1, 1904, was:

House and surgical supplies	$3,060 70	
Drugs and medicines	1,925 65	
Provisions	689 74	
	$5,676 09	
The value of stock on hand October 1, 1903, was:		$6,002 35
The value of stock on hand October 1, 1904, was:		5,676 09
		$326 26

Adding the difference in value of the stock on hand October 1, 1904, $326.26, and October 1, 1903, gives the cost of maintenance per house patient per week as $12.04, or 35 cents a week less than in 1903. The cost of maintenance per inmate, per week, was $7.14. The cost of uncooked food supplies for all persons, including patients and the entire household at the hospital was $15,458.41. The daily average number of patients was 133; of officers and employees, including house and nursing staff, 90, or a total daily average of 223 persons. The number of weeks' board for all persons was 11,628, and the weekly cost per person for uncooked food supplies was $1.33, or 19 cents per day.

EXPENSE.

The total expenditure by the Superintendent has been $83,182.37, which is itemized as follows:—

Provisions		$15,458 41
Meat, fish and poultry	$5,697 67	
Fruit and vegetables	2,040 56	
Bread and flour	946 96	
Milk	2,067 77	
Groceries	2,807 14	
Butter and eggs	1,898 31	
Wines, liquors and alcohol		315 58
Water rates		1,440 00
Soap		383 45
Gas		409 30
Ice		1,060 95
Heat, light and power		8,812 62
Fuel (kitchen)		524 76
Medicines and dispensary		4,101 14
Furniture		627 64
Stationery and printing		856 55
Wages		28,203 56
Officers (Superintendent, Pathologist, Matron, Assistant Matron, Druggist)	6,623 30	
Clerks (office, out-patient department and telephone)	2,504 32	
Engineers	865 00	

Painters	$570 00	
Laboratory assistant	456 00	
Ward masters	2,577 00	
Carpenter	360 00	
Orderlies	999 65	
Porters	1,266 17	
Apothecary assistant	376 00	
Elevator man	236 67	
Head and operating-room nurses	2,892 00	
Post-graduate nurses	281 74	
Special nurses	184 00	
Attendant nurses	3,236 50	
Kitchen and dining-room employees	1,661 45	
Laundresses	1,504 93	
Ward maids	525 24	
General women	866 58	
Seamstress	217 01	
Cost of optical department		$11,434 40
Optical and surgical instruments and repairs		1,503 79
Repairs and improvements		2,123 21
Plumbing	364 49	
Laundry machinery	68 85	
Steam plant	403 40	
Electric plant	88 75	
Carpentering	347 10	
Painting and glazing	594 01	
Kitchen cooking apparatus	78 98	
Awnings	67 45	
Elevator	13 08	
Grounds	45 98	
Locks, keys, etc.	51 12	
Furnishings and supplies		4,580 05
Kitchen and dining rooms	98 78	
Linen room	468 31	
Surgical supplies	2,361 09	
Laundry supplies	105 85	
Steam plant supplies	35 91	
Bacteriological laboratory supplies	36 92	
Electric fixtures and lamps	61 30	
Disinfectant	148 20	
Grounds	13 65	
General supplies	790 42	
Uniforms:		
Doctors	106 20	
Orderlies	181 70	

Domestics	$27 56	
Patients	144 16	
Contingent and sundries		$1,346 96
Sundries and training school	308 59	
Surgeons' library	162 24	
Nurses' library	23 00	
Postage and express	122 17	
Telephone	470 06	
Laboratory	37 35	
Advertising	24 00	
Inspection of elevator	36 00	
Office expense	119 55	
Dispensary	44 00	

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

During the past year eighty-six lectures and classes were given by the Surgical Staff, the House Staff and the Superintendent of Nurses. The subjects covered were the Anatomy and Physiology of the Eye and Ear, Clinical Diseases and Surgery of the same, Refraction, Aural and Ophthalmic Nursing and special nursing of Brain Abscess, and the Ear in Art and History. Eight lectures were given on the Hospital Formulary. Special and individual instruction was given in sterilizing, etherizing, operating-room technique, and the preparation of infants' food.

The number of post-graduate nurses taking the course was fourteen. Ten graduates received the diploma of the school. Twenty-eight applications for the course were received during the year.

In addition to the regular special training, instruction in hospital management has been inaugurated. The practical details of the duties of an executive nurse in charge of a floor or ward have been taught by the permanent head nurses. The opportunity to teach pupil nurses in class has been given, and a course of lectures in hospital organization, construction, etc., has been arranged and many of the lectures delivered.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient Departments from September 30, 1895, to October 1, 1904, showing the yearly increase in the number of patients treated in each department; also the total number of patients treated in both departments during the past ten years: —

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1895	782	248	14,204	4,946	20,180
1896	912	285	15,359	5,545	22,101
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
1902	1,483	750	22,839	7,180	32,252
1903	1,548	975	23,614	7,876	34,013
1904	1,546	1,269	23,943	8,782	35,540
Totals . .	12,745	6,122	190,596	65,462	274,925

A total of 256,058 new patients treated in the Out-Patient Department. As these patients made an average of three visits, it brings the total number of visits of patients to 768,174.

Respectfully submitted,

FARRAR COBB, M.D.,

Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen: The fifth year of service in the new building finds it well adapted to fill the wants of both Eye and Ear Departments.

In the Ophthalmic Department, to those who, through accident, disease, or on account of operation, are obliged to remain as House Patients, the service offered meets every requirement.

In the Out-Patient Department no system has as yet been devised to take care of the "vision cases" in a satisfactory manner. The number of vision cases has increased out of all proportion to the growth in the number of out-patients. In the effort to meet the demands made upon this department, the corps of clinical assistants has been added to from time to time. To properly care for the augmenting number of vision cases rightly applying to this department for aid, is a serious proposition, but when to this number is added a great many undeserving of charity, it is difficult to perform work worthy of the Infirmary or satisfactory to the needs of the patient.

The Gardner Building continues to prove of the greatest value in providing a place for treating purulent and contagious cases.

In the Aural Department it is increasingly evident that proper attention to the condition of the nose and naso-

pharynx is necessary to the adequate treatment of the average patients in the out-patient clinic.

To refer all such cases to clinics for special treatment of nose and throat diseases in other hospitals would, while decreasing the crowding of the Out-Patient Department, to a great degree impair its efficiency as a form of public service.

Patients so referred would have the continuity of their treatment broken, and many would not return to the aural clinic because of lack of time from work or lack of appreciation of their own needs.

Such treatment of the nose and throat as is needed to improve the aural condition it is now customary to apply in the aural clinic, thus saving time to both the patient and to the service; but some provision is needed, either in the form of an additional room, or in additional clinic hours, for these cases.

In the matter of records the aural staff has made provision for the marking and classification of the past house records in order to comply with the requirements of the card catalogue, and has also in process a system of transfer records, between the House and Out-Patient Departments, which will facilitate the working relationship of the two services.

In conclusion, the Board of Surgeons begs to express its appreciation of the facilities afforded it for doing its work under the best conditions of supply and administration.

For the Full Board of Surgeons,

CLARENCE JOHN BLAKE,
ALEX. QUACKENBOSS.

September 30, 1904.

REPORT OF PATHOLOGICAL LABORATORY.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary.

Gentlemen: Since the report from the Laboratory two years ago the system of work inaugurated in 1900 has been continued. During the greater part of 1903 the Pathologist was in Europe on leave of absence, and the routine examination of specimens for diagnosis, as well as the post-mortem examinations, were in charge of Dr. H. A. Christian of the Harvard Medical School. The bulk of the pathological material, however, was held in reserve, and most of it has been examined and described during the past year. While no research work was carried on in the Laboratory during the absence of the Pathologist, a large collection of specimens was taken by the latter for study abroad. This led to the discovery, in the Laboratory of the Royal London Ophthalmic Hospital, of a hitherto undescribed membrane of the eye. Other research work from the Laboratory, published during the past two years, is embodied in the following papers: —

"A Case of Primary Epibulbar Sarcoma, with Secondary Growths in Sclera and Limbus, and Invasion of the Choroid, Ciliary Body, and Iris." — F. H. Verhoeff and R. G. Loring. Archives of Ophthalmology, 1903.

"Some Remarks on the Use of Mallory's Phosphotungstic Acid Hematoxylin, and a Note on the Musculus Papillae Optici of Nikolai." — F. H. Verhoeff. Royal London Ophthalmic Hospital Reports, 1903.

"A Hitherto Undescribed Membrane of the Eye and its Significance." — F. H. Verhoeff. Ibid. Also Boston Medical and Surgical Journal, 1903.

"Sarcoma of the Choroid with Destructive Hemorrhage." — F. H. Verhoeff. Archives of Ophthalmology, 1904.

"Choroidal Hemorrhage following Cataract Extraction." — A. Quackenboss. Pathological Reports by F. H. Verhoeff. Ibid.

"Parinaud's Conjunctivitis." — F. H. Verhoeff and G. S. Derby. Ibid.

FREDERICK H. VERHOEFF,
Pathologist.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Lids.

Abscess	11
Blepharitis	3
Blepharospasm	2
Chalazion	2
Eczema	1
Ectropion	10
Entropion	4
Epithelioma	2
Erysipelas	1
Impetigo contagiosa	1
Naevus	2
Ptosis:	
Acquired	3
Congenital	10
Trichiasis	4
Tumor	1
Ulcer:	
Chronic	1
Total	48

Lachrymal Apparatus.

Abscess of lachrymal sac	4
Dacryo-cystitis	7
Fistula	3
Lachrymal obstruction	5
Mucocele	4
Total	23

Conjunctiva.

Conjunctivitis:	
Acute	4
Follicular	1
Gonorrhoeal:	
in adults	27
in children	15
in infants	87
Membranous	2
Phlyctenular	20
Purulent:	
in adults	8
in children	12
in infants	31
Trachomatous	42
with pannus	22
Pterygium.	3
Lymphoid hypertrophy	1
Oedema	1
Symblepharon	5
Tumors;	
Epithelioma	2
Dermoid	3
Total	286

Cornea.

Abscess	7
Fistula	1
Keratitis:	
Fasicular	1
Interstitial	28
Phlyctenular	49
Simple	7
Superficial	8
Traumatic	2
Ulcerative	60
Concentric	1
Dendritic	2

Marginal	2
with hypopyon	59
with perforation	1
Serpiginous	2
Vascular	3
Kerato-iritis	19
Kerato-scleritis	1
Kerato-sclero-iritis	2
Leucoma:	
Adherent	2
Inflamed	11
Partial	13
Total	8
Staphyloma	10
Tumor:	
Dermoid	1
Total	300

SCLERA.

Episcleritis	2
Rupture	5
Staphyloma	1
Total	8

IRIS AND CILIARY BODY.

Blocked pupil	10
Iritis:	
Gonorrhoeal	1
with hypopyon	2
Rheumatic	20
Simple	23
Specific	23
Traumatic	3
Irido-cyclitis	12
Irido-choroiditis	3
Iritic adhesions	3
Sarcoma of iris	1
Uveitis	1
Subacute	1
Total	103

LENS.

Cataract:	
Capsular	37
Congenital	37
Zonular	8
Diabetic	1
Hypermature	18
Incipient	6
Mature	191
Pre-senile	3
Posterior polar	1
Traumatic	21
Dislocated lens	13
Total	336

INJURIES.

Burns:	
Conjunctiva and cornea	21
Conjunctiva	6
Cornea	7
Non-perforating:	
Conjunctiva	1
Cornea	6
Globe	
with dislocated lens	4
with haemorrhage in vitreous	1
with hyphaema	8
with irido-dialysis	2
with rupture of choroid	1
Lids	6
Temple	1
Perforating:	
Brow	1
Cornea	69
with foreign body	17
Corneo-ciliary region	12
Sclera	18
Rupture	1
with foreign body	2
Sclera-corneal region	11
Total	195

Optic Nerve.

Amblyopia, toxic (methyl alcohol)	1
Optic atrophy	6
Optic neuritis	2
Neuro-retino-choroiditis	1
Total	10

Choroid.

Chorio-retinitis	2
Choroiditis:	
Acute	2
Chronic	1
Sarcoma	3
Total	8

Vitreous.

Haemorrhage	1
Hyalitis	2
Total	3

Retina.

Embolism central artery	1
Retinitis:	
Haemorrhagic	1
Proliferans	1
Separated retina	7
Total	10

Globe and Orbit.

Abscess of orbit	1
Buphthalmos	2
Contracted orbit	12
Cyst of brow:	
Atheromatous	1
Dermoid	1
Cyst of temporal fossa:	
Atheromatous	1
Disorganized globe	22
Exophthalmic goitre	1
Fracture of optic foramen	1
Glaucoma:	
Absolute	8
Acute	10
Chronic	13
Secondary	9
Simple	8
Herpes zoster ophthalmicus	4
High myopia	1
Panophthalmitis	9
Phthisis bulbi	13
Sympathetic ophthalmia	2
Tumors:	
Intraocular	2
Orbit	3
Total	124

Muscular Affections and Neuroses.

Astigmatism, mixed	1
Paralysis of 3rd nerve	1
3rd, 4th, and 6th nerves	1
Strabismus:	
Convergent	40
Alternating	8
Divergent	7
Total	58

Summary.

Lids	48
Lachrymal apparatus	23
Conjunctiva	286
Cornea	300
Sclera	8
Iris and ciliary body	103
Lens	336
Injuries	195
Optic nerve	9
Choroid	9
Vitreous	3
Retina	10
Globe and orbit	124
Muscular affections and neuroses	58
Total	1,512

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

Lids.

Chalazion, excised	3
Ectropion	3
Entropion:	
Lower lid	6
Green's	10
Hotz'	1
Panas	3
Electrolysis	5
Foreign body removed	2
Plastic	15
Ptosis	1
Pagenstecher	4
Tumor, excised	3
Epithelioma	1
Wound sutured	1
Total	58

Conjunctiva.

Excision of conjunctiva	1
Excision of papillae	2
Peritomy	4
Plastic	7
Pterygium	3
Symblepharon	6
Stripping	18
Tumors	6
Total	47

Cornea.

Cauterized	3
Foreign body removed	5
Paracentesis	3
Saemisch	28
Staphyloma, anterior	1
Staphylectomy	1
Tattooed	6
Total	47

Iris.

Iridectomy:	
Attempted	2
Artificial pupil	38
Foreign body	3
Freeing anterior synechiae	2
Glaucoma	27
Old irido-cyclitis	4
Iridotomy	2
Prolapsed iris:	
Abscised	15
Cauterized	6
Tumor:	
Excised	1
Total	100

Muscles.

Advancement:	
External rectus	26
Internal rectus	9
Tenotomy:	
External rectus	6
Internal rectus	46
Superior rectus	1
Total	88

Lens.

Capsule	83
Cataract:	
Attempted	2

Modified Graefe	42
Simple	82
with buttonhole of iris	45
Iridectomy	44
Discission	106
Linear incision	9
Ripening	2
Suction	19
Total	434

ENUCLEATIONS.

For disorganized globe	18
Foreign body	1
Glaucoma	8
Injury	33
Irido-cyclitis	7
Phthisis bulbi	8
Staphyloma	6
Tumor of globe	2
Total	83

MISCELLANEOUS.

Abscess of lachrymal sac	7
Abscission of vitreous	2
Abscission of cicatricial tissue	1
Aspiration separated retina	
Aspiration orbital tumor	1
Curetting lachrymal fistula	1
Division membrane in vitreous	1
Evisceration	7
Mules'	4
Mules' modified	8
Extirpation of lachrymal Gland	1
Sac	17
Excision atheromatous cyst of brow	3
Excision tumor of orbit	1
Exploratory puncture of globe	1
Ligation of canaliculi	1
Magnet:	
Attempted	6
with iridectomy	1
for intraocular steel	22
Test	5
Paracentesis of sclera	1
Probing lachrymal duct	4
Orbital abscess	1
Total	97
Total	954

OUT-PATIENTS.

Abscess, Brow	9
Cheek	1
Lachrymal	34
Lids	45
Canaliculus cauterized	1
Chalazion	260
Cornu-cutaneum	4
Cyst lids	14
Electrolysis	1
Foreign body, conjunctiva	78
Cornea	1,970
Cul-de-sac	2
Lids	333
Sclera	3
Granulation tissue	6
Growth lids	3
Hordeolum	80
Milium	5
Naevus	2
Papilloma	1
Plastic lids	3
Pterygium	72
Tenotomy	2
Tumor lids	2
Verruca	2
Wen lid	1
Total	2,934

OPHTHALMIC OUT-PATIENT DEPARTMENT.

New Patients (Male)	12,025	New Patients (Female)	11,918

DISEASES OF OUT-PATIENTS.

Lids.

Abscess	75
Blepharitis	1,114
Bleb	1
Burns	34
Canities	2
Chalazion	542
Cicatrix	1
Cornu-cutaneum	7
Cyst	38
Dermatitis	18
Ecchymosis	57
Ectropion	52
Eczema	39
Emphysema	9
Entropion	25
Epicanthus	4
Epithelioma	15
Erysipelas	2
Foreign body	270
Ganglion	1
Granulation	8
Herpes zoster	8
Hordeolum	238
Lagophthalmus	6
Lippitudo	1
Lithiasis	4
Milium	10
Molluscum	3
Naevus	5
Oedema	97
Papilloma	7
Phthiriasis	6
Ptosis	63
Sarcoma	1
Symblepharon	15
Trichiasis	85
Tumor	5
Ulcer	5
Verruca	18
Wound	39
Xanthelasma	2
Total	2,932

Lachrymal Apparatus.

Abscess	62
Caruncle, inflamed	3
Cyst	1
Dacryo-cystitis	29
Epiphora	265
Fistula	16
Foreign body, canaliculus	4
Growth	2
Lachrymal obstruction	111
Mucocele	90
Total	583

Conjunctiva.

Abrasion	1
Burn	79
Conjunctivitis:	
Blennorrhoeal	27
Catarrhal, acute	1,013
Catarrhal, chronic	356

Diphtheritic	3
Follicular	61
Gonorrhoeal	69
Granular	260
Granular with pannus	36
Muco-purulent	112
Neonatorum	58
Phlyctenular	608
Simple	2,646
Traumatic	219
Cuts	21
Cyst	2
Ecchymosis	200
Foreign body	43
Oedema	21
Pinguecula	46
Pterygium	126
Tumor	3
Ulcer	4
Total	6,014

Cornea and Sclera.

Abrasion	245
Abscess	6
Buphthalmus	6
Burn	46
Cicatrix	4
Cyst	2
Descemetitis	2
Epithelioma	1
Episcleritis	47
Foreign body:	
Cornea	1,970
Sclera	3
Growth cornea	1
Infiltration cornea	64
Keratitis:	
Dendritic	4
Fasciscular	6
Hypopyon	1
Interstitial	74
Phlyctenular	306
Simple	188
Striae	1
Strumous	1
Superficial	63
Traumatic	14
Ulcerative	78
Vascular	14
Kerato-conus	4
Kerato-iritis	17
Leucoma	206
Adherens	42
Inflamed	53
Maculae	129
Micro-cornea	1
Nebulae	300
Opacities	44
Rupture cornea	1
Scleritis	8
Sclero-keratitis	3
Staphyloma:	
Cornea	9
Sclera	4
Tumor cornea	3
Ulcer cornea	425
with hypopyon	45
Dendritic	2
Phlyctenular	32
Serpiginous	3
Superficial	1
Traumatic	68
Vascular	3
Wound:	
Ciliary region	13
Cornea	78
Sclera	7
Total	4,648

Iris and Ciliary Body.

Argyll-Robertson pupil	2
Bombé iris	6
Ciliary injection	29
Coloboma	4
Correctopia	1
Foreign body iris	1
Gumma	2
Heterochromia	2

Irido-cyclitis	13
Irido-dialysis	9
Irido-donesis	28
Iritis:	
Rheumatic	26
Specific	294
Traumatic	38
Iritic adhesions	10
Mydriasis	19
Artificial	53
Myosis	2
Occluded pupil	31
Prolapse	11
Rupture	2
Synechiae:	
Anterior	43
Posterior	17
Total	643

LENS.

Cataract:	
Brown	2
Capsular	3
Congenital	23
Cortical	5
Incipient	247
Lamellar	1
Mature	301
Nuclear	4
Posterior-polar	18
Traumatic	82
Dislocated	33
Foreign body	4
Oedema	1
Opacities	83
Total	807

VITREOUS.

Haemorrhage	4
Hyalitis	3
Muscae volitantes	9
Opacities	133
Webs	1
Total	150

ANTERIOR CHAMBER.

Growth	1
Hyphaema	37
Total	38

OPTIC NERVE.

Atrophy	62
Coloboma	2
Neuritis	13
Total	77

RETINA.

Changes in macula	20
Embolism central artery	3
Foreign body	1
Glioma	1
Haemorrhage in macula	12
Neuro-retinitis	7
Oedema macula	2
Pigmentary degeneration retina	6
Retinitis	19
Albuminuric	18
Hemorrhagic	14
Separation	23
Thrombosis	5
Total	131

CHOROID.

Albinism	2
Atrophy	13
Choroiditis	66
Coloboma	2
Glaucoma	66
Retino-choroiditis	16
Sarcoma	1
Staphyloma:	
Anterior	8
Posterior	12
Total	186

GLOBE AND ORBIT.

Abscess orbit	1
Anophthalmus	39

Arcus	9
Cellulitis	2
Cicatrix orbit	1
Contracted orbit	1
Disorganized globe	28
Exophthalmos	14
Foreign body globe	22
Fracture orbit	1
Granulation orbit	2
Hydrophthalmus	1
Irritable orbit	5
Microphthalmus	9
Panophthalmitis	8
Phthisis bulbi	38
Rupture globe	6
Staphyloma globe	1
Sympathetic ophthalmia	1
Tumor orbit	5
Total	194

General Injuries.

Blows and cuts	248
Burns	90
Total	338

Accommodation and Refraction

Asthenopia	509
Astigmatism	2,990
Emmetropia	15
Hypermetropia	5,231
Myopia	1,455
Paralysis of accommodation	17
Presbyopia	2,535
Total	12,752

Affections of the Percipient Apparatus.

Amblyopia	49
Alcohol, tobacco, etc.	45
Hemianopsia	4
Scotoma	44
Total	142

Muscular Affections and Neuroses.

Blepharospasm	5
Diplopia	30
Esophoria	4
Exophoria	12
Exophthalmic goitre	2
Hyperphoria	6
Locomotor ataxia	4
Nictitation	15
Nystagmus	69
Paralysis:	
Facial	18
Third	47
Fourth	5
Sixth	16
Photophobia	3
Strabismus:	
Alternating	25
Convergent	494
Divergent	82
Supra-orbital neuralgia	9
Total	846

Miscellaneous.

Eloped	87
Entered by mistake	4
No diagnosis	555
No disease	99
Vision cases not refracted	790
Referred to other institutions	68
Unfits	437
Refused treatment	12
Total	2,052

Other Diseases.

Anaemia	6
Chorea	1
Eczema	5
Frontal sinus	8
Headache	4
Hemicrania	1
Lupus	1
Meningitis	1
Total	27

SUMMARY.

Lids	2,932
Lachrymal apparatus	583
Conjunctiva	6,014
Cornea and sclera	4,648
Iris and ciliary body	643
Lens	807
Vitreous	150
Anterior chamber	38
Optic nerve	77
Retina	131
Choroid	186
Globe and orbit	194
General injuries	338
Accommodation and refraction	12,752
Affections of the percipient apparatus	142
Muscular affections and neuroses	846
Miscellaneous	2,052
Other diseases	27
Total	32,560

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF EXTERNAL EAR.

a. *Neoplasms.*

	R.	B.	L.
Papilloma	0	0	1
Noma	1	0	0

b. *Malformations.*

Microtia	3	0	0
Congenital fistula with abscess	1	0	0

c. *Miscellaneous.*

Perichondritis	0	0	1
Cellulitis of auricle	1	0	1
Sebaceous cyst	0	0	1
Trauma	1	0	0

II. DISEASES OF THE MEATUS.

Otitis externa diffusa	3	1	4
Otitis externa circumscripta	0	1	5
Keratosis	0	1	0
Foreign body	1	0	1
Eczema	0	2	0
Carcinoma	1	0	0

III. DISEASES OF MIDDLE EAR.

a. *Acute Inflammations.*

Otitis media acuta — simple	3	3	5
With mastoiditis	1	0	1
With otitis externa circumscripta	1	0	1

b. *Acute Suppurative Inflammations.*

Otitis media suppurative acuta — simple	66	30	67
With mastoiditis	79	8	64
With mastoiditis and otitis externa diffusa	3	0	1

	R.	B.	L.
With mastoiditis and post aural abscess	13	0	14
With mastoiditis and erysipelas	0	0	1
With mastoiditis and facial paralysis	1	0	1
With mastoiditis and sinus thrombosis	0	0	2
With mastoiditis and meningitis	2	1	1
With mastoiditis and cerebral abscess	0	0	1
With mastoiditis and cerebellar abscess	0	0	1
With mastoiditis and cervical abscess	1	0	0

c. *Chronic Suppurative Inflammations.*

Effectus otitis media suppurative chronica	0	0	1
Otitis media suppurative chronica — simple	15	6	9
With cervical abscess	0	1	1
With facial paralysis	1	0	2
With cholesteatoma	1	0	1
With granulations in tympanum	7	3	7
With caries of ossicles	18	3	16
With cerebral abscess	1	0	1
With mastoiditis	13	2	16
With mastoiditis and post aural abscess	5	1	9
With mastoiditis and cervical abscess	0	0	1
With mastoiditis and sinus thrombosis	2	0	0
With mastoiditis and meningitis	3	0	0
With mastoiditis and epidoral abscess	1	0	2
With recurrent mastoiditis	10	0	10

IV. DISEASES OF LABYRINTH.

Labyrinthitis (specific)	0	3	1
Haemorrhage of labyrinth	0	2	0

V. NOSE AND NASO PHARYNX.

Adenoids	0	352	0
Adenoids and tonsils	0	287	0
Tonsils	0	10	0
Hypertrophied turbinate	1	0	0
Deviation of septum	3	0	0

VI. MISCELLANEOUS.

Hysterical deafness	1	0	0
Frontal sinus — acute	2	0	2
Frontal sinus — chronic	0	1	1
Antrum of Highmore	1	0	1
Cervical abscess	5	0	1
Tinnitus aurium	0	1	0

	R.	B.	L.
No ear trouble	1	0	1
Secondary mastoiditis and meningitis	0	0	2
Periostitis mastoiditis and erysipelas	0	0	1
Erysipelas of face	0	2	0
Secondary haemorrhage (adenoid)	0	1	0
Lachrymal fistula communicating with antrum	0	0	1
Otalgia dentetis	1	0	0
Malaria	0	1	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

	R.	B.	L.
Abscess of tragus incised	0	0	1
Abscess of lobe incised	3	0	1
Cyst removed	8	0	7
Carcinoma removed	1	0	0
Othaematoma incised	2	0	5
Congenital fistula incised	1	0	0
Cartilage excised	1	0	0
Plastic	4	0	1
Lipoma removed	1	0	0

2. Meatus.

Abscess incised	26	1	9
Circumscribed abscess incised	41	2	35
Foreign body removed	3	1	2
Keratosis	0	1	0

3. Tympanum.

Drum membrane, paracentesis	354	119	361
Carious ossicles removed	22	0	21
Carious malleus removed	1	0	0
Granulations in tympanum removed	1	1	7
Polypus removed	56	2	51

4. Nose and Pharynx.

Nose, spur removed	0	64	0
Nose, turbinate removed	0	67	0
Nose, polypus removed	0	27	0
Deflected septum straightened	0	38	0
Naso pharynx, adenoids removed	0	352	0

	R.	B.	L.
Naso pharynx, adenoids and tonsils removed	0	287	0
Naso pharynx, tonsils removed	0	10	0
Osteoma	0	1	0
Ethmoids curetted	0	9	0
Sphenoids curetted	0	2	0
Peri tonsillar abscess	0	3	0

5. Mastoid Region.

Cervical abscess incised	11	0	2
Mastoid operations	124	1	113
Mastoid operation with brain abscess	1	0	2
Mastoid operation with tying of jugular	1	1	1
Curetting mastoid	1	0	2
Skin graft	21	0	4

Miscellaneous.

Frontal sinus	6	0	1
Lateral sinus	0	0	1
Antrum (radical)	1	0	0
Antrum (exploratory)	2	0	0
Various operations	9	5	4

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	1	0	1
Abscess of lobe	2	0	1
Abscess of tragus	1	0	1
Angioma	0	0	1
Congelatio	3	1	4
Cornu	1	0	1
Dermatitis	4	1	3
Eczema	51	15	70
Erysipelas	2	0	1
Noma	1	0	0
New growth	1	0	0
Haematoma traumatica	2	0	4
Herpes zoster	3	0	2
Lipoma	0	0	1
Perichondritis	1	0	1

b. *Deformities.*

	R.	B.	L.
Microtia	4	1	4
Congenital fistula of auricle	2	0	1

c. *Neoplasms.*

Cyst of auricle	2	0	2
Cyst of lobe	1	0	1
Epithelioma	0	0	1
Papilloma	1	0	0
Othaematoma	2	0	2

d. *Trauma.*

Auricle	1	0	1

2. MEATUS.

Cerumen	615	824	552
Trauma	2	0	1
Atresia	1	0	1
Abscess	1	0	2
Eczema	45	28	39
Pruritus	1	0	0
Acute diffuse inflammation	53	16	32
Chronic diffuse inflammation	4	0	1
Acute circumscribed inflammation	154	16	114
Foreign body (animate)	3	0	15
Foreign body (inanimate)	10	3	11
Aspergillus niger	1	0	0

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	11	0	5
Trauma indirect	5	0	1

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

Mucous	137	240	141
With adenoids	25	120	28
Serous	8	7	2
Serous with adenoids	5	10	16

Chronic Secretory Catarrhal Inflammation.

Mucous	212	420	160
With adenoids	15	102	30
Serous	7	1	2
Serous with adenoids	2	3	4
With labyrinthine disease	7	5	5

b. *Adhesive Catarrhal Inflammation.*

	R.	B.	L.
Secretory	135	359	118
Secretory with labyrinthine disease	8	5	12
Insidious	16	10	19

c. *Acute Inflammation.*

Simple	402	120	329
With adenoids	36	10	28
With mastoiditis	61	1	32
With facial paralysis	1	0	2
With post-aural abscess	2	0	2
With mastoid abscess	1	0	2

d. *Acute Suppurative Inflammation.*

Simple	374	147	352
With caries of mastoid	1	0	1
With mastoiditis	150	1	121
With mastoiditis and meningitis	1	0	0
With mastoiditis and facial paralysis	1	0	0
With mastoid fistula	1	0	1
With post-aural abscess	8	0	12
With facial paralysis	2	0	3
With adenoids	21	18	27

e. *Chronic Suppurative Inflammation.*

Simple	366	215	304
With atresia of meatus	1	1	0
With caries of mastoid	1	0	1
With mastoiditis	30	0	49
With mastoiditis and sinus thrombosis	0	0	1
With caries of the ossicles	39	2	27
With caries of the incus	0	0	1
With caries of the ossicles and granulations	0	1	1
With caries of the ossicles and polypus in tympanum	1	0	0
With periostral abscess	0	0	1
With facial paralysis	1	0	1
With polypus in the tympanum	103	3	105
With granulations in the tympanum	66	10	28
With mastoiditis, facial paralysis and polypus in tympanum	0	0	1
With polypus in the tympanum and meningitis	1	0	0
With congenital facial deformity	0	0	1
With post aural abscess	1	0	2
With adenoids	20	11	32
Effect of suppurative inflammation	262	163	230

	R.	B.	L.
Effect of suppurative inflammation with mastoiditis	1	0	0
Effect of suppurative inflammation with labyrinthine disease	1	0	0
Effect of suppurative inflammation with polypus in the tympanum	2	0	3
Effect of suppurative inflammation with facial paralysis	0	0	1
Effect of suppurative inflammation with adenoids	20	10	31
IV. NEUROSIS OF MIDDLE EAR.			
Otalgia from teeth	40	23	17
Otalgia from pharynx	6	2	7
V. DISEASES OF THE LABYRINTH.			
Labyrinthitis	10	29	25
Anaemia	1	0	0
Concussion	1	0	1
VI. MISCELLANEOUS.			
Adenoids	0	151	0
Adenoids and tonsils	0	93	0
Tonsils	0	20	0
Hypertrophic rhinitis	0	45	0
Atrophic rhinitis	0	26	0
Purulent rhinitis	0	31	0
Polypus (nose)	0	28	0
Spur (nose)	0	57	0
Deaf mutism	0	11	0
Periostitis mastoid	1	0	0
Angioma septum	0	1	0
Deflected septum	0	33	0
Orteochondroma	1	0	0
Papilloma (nose)	0	1	0
Frontal sinus, acute	1	0	0
Antrum of Highmore	0	0	1
Eloped	0	13	0
No diagnosis	0	42	0
No ear disease	0	98	0
Unfit patients	0	106	0

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is ten dollars ($10) per month.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1903-1904.

The managers desire to gratefully acknowledge the receipt of the following donations in 1903–1904: —

Medical Journals for the Surgeons' Library, from Dr. B. Joy Jeffries.

Fifty-nine pieces of clothing, from the Needlework Guild of America, Jamaica Plain Branch, through Mrs. R. M. Morse.

Magazines, from Dr. Farrar Cobb.

Microscope for Laboratory, from Dr. Francis P. Sprague.

Ten Dollars toward the running expenses, from Miss M. C. Gray.

Magazines, from Mr. George W. Kimball.

Fifteen pieces of children's clothing, from Miss Bertha M. Snow.

Medical Journals for the Surgeons' Library, from Dr. O. F. Wadsworth.

Magazines, from the Mission Temperance Association, Mystic Side Congregational Church, U.P.S.C.E.

Spectacles and eyeglasses, from Mrs. N. Folsom.

Flowers, from the Hospital Music Fund, through Dr. John Dixwell.

Three sets of infants' clothing, from the Lend-a-Hand Society, through Miss Putnam.

Through the kindness and courtesy of Dr. John Dixwell, the house patients were treated to a musical entertainment in the spring.

Through the kindness and generosity of the following persons, we were enabled to have a large Christmas tree,

with presents for over two hundred patients and employees : —

Mr. Augustus Hemenway, Mr. Charles P. Curtis, Mr. George P. Gardner, Mr. Henry Parkman, Mr. Charles Lowell, Mr. Francis L. Higginson, Mr. William D. Sohier, Mr. William H. Seabury, Mr. Robert Homans, Mr. William S. Spaulding, Mr. Eben S. Draper, Dr. George B. Shattuck, Mr. William C. Endicott, Mr. Russell G. Fessenden, Mr. Harvey Clap, Mrs. C. P. Curtis, Mrs. C. P. Curtis, Jr., Mr. H. W. Morse, Mr. F. A. Day, Mrs. F. A. Day, Mr. Chandler, Mr. Johnson, Mr. English, Episcopal City Mission, Congregational Church of Laconia, N.H.

We are greatly indebted to the Students' Association of Miss Hersey's School, which presented the children's ward with a large handsome Stella Music Box and Stand.

EIGHTIETH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1905.

THE

Massachusetts Charitable Eye and Ear Infirmary

233 Charles Street, cor. Fruit Street, Boston.

OUT-PATIENT DEPARTMENT.

The Out-Patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A.M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent, between 10 and 11 A.M. and 2 and 3 P.M., ON WEEK DAYS ONLY.

Accident and emergency cases admitted at any time.

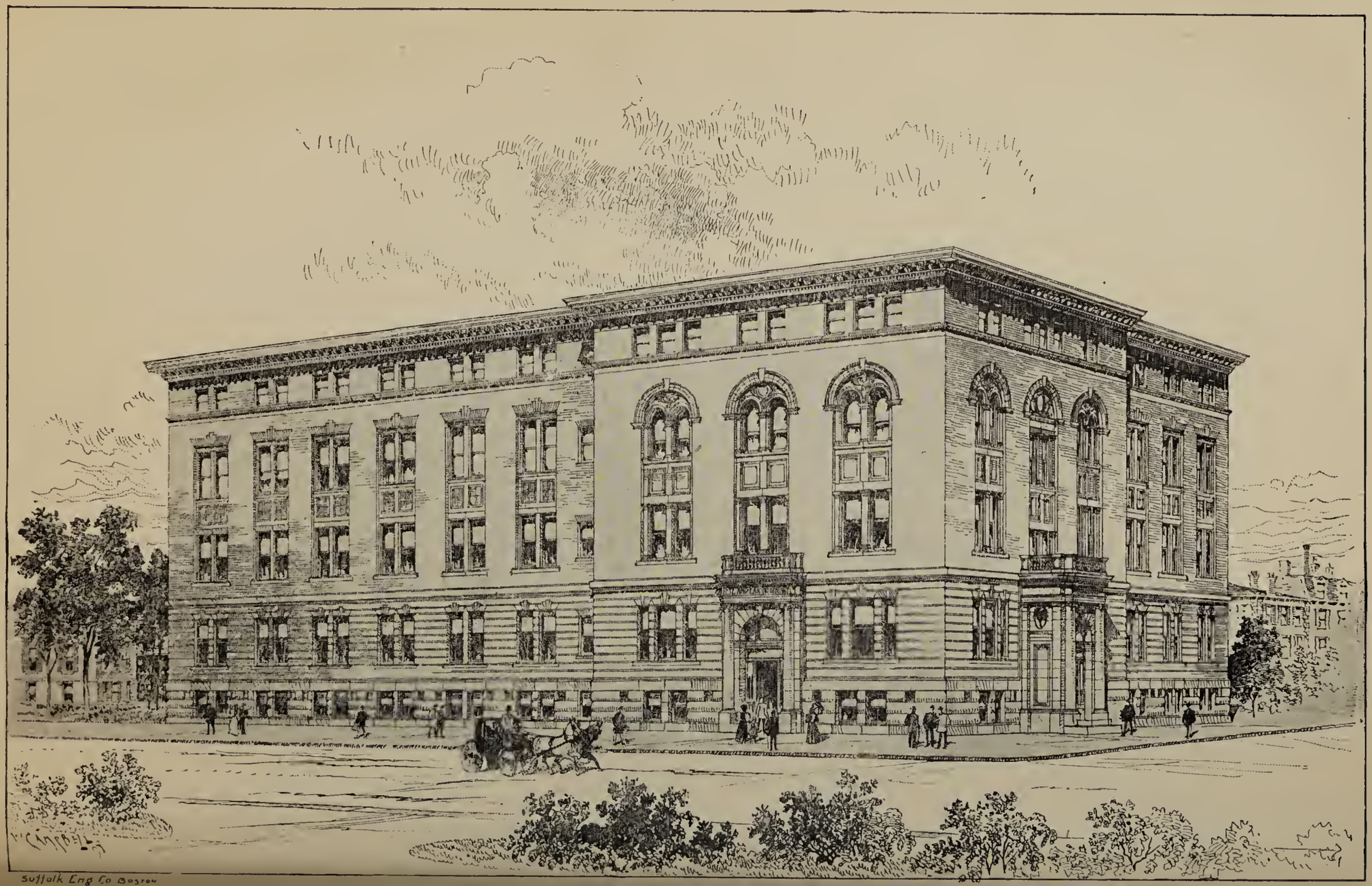
All communications in regard to the Infirmary, or in regard to any inmate, must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P.M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy,** and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.



Suffolk Eng Co Boston

EIGHTIETH

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1905.

JAMES M. KENNEDY,
PRINTER,
56 Summer Street,
Boston,
1906.

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OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

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* Appointed by the Commonwealth.

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D. HAROLD WALKER, M.D.

Ophthalmic Clinical Assistants.

CHARLES D. JONES, M.D.
ROBERT G. LORING, M.D.
PATRICK F. KELLEHER, M.D.
HARRY C. PARKER, M.D.
PETER H. THOMPSON, M.D.
SAMUEL J. McDONALD, M.D.
GEORGE S. DERBY, M.D.
CHARLES F. MOULTON, M.D.
WILLIAM MADDEN, M.D.
W. HOLBROOK LOWELL, M.D.
GEORGE H. RYDER, M.D.
EDWARD K. ELLIS, M.D.

Aural Clinical Assistants.

ALFRED M. AMADON, M.D.
FRANCIS J. WELLER, M.D.
WILLIAM F. KNOWLES, M.D.
HARRIS P. MOSHER, M.D.
GEORGE H. POWERS, Jr., M.D.
GEORGE L. TOBEY, Jr., M.D.

Pathologist.
FREDERICK H. VERHOEFF, M.D.

Consulting Neurologist to Aural Department.
JAMES J. PUTNAM, M.D.

Consulting Physician.
RICHARD C. CABOT, M.D.

HOUSE STAFF.

Ophthalmic House Surgeons.
P. SOMERS SMYTH, M.D. EDWARD J. HUSSEY, M.D.

Ophthalmic Externe.
CARL FISHER, M.D.

Aural House Surgeons.
HENRY G. LANGWORTHY, M.D. WILLIAM GOODELL, M.D.

Aural Externe.
DANA W. DRURY, M.D.

EXECUTIVE OFFICERS.

Superintendent.
FARRAR COBB, M.D.

Matron and Superintendent of Nurses.
MARY COONAHAN.

Apothecary.
HOWARD W. MORSE.

Assistant to the Superintendent.
JOHN G. SCHROEDER.

Assistant Matron.
FLORA L. PIKE.

Supervisor.
MITCHELL A. DEARBORN.

Optician.
ANDREW J. LLOYD.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The close of the Infirmary business year (September 30) marked the completion of the first five years in the new buildings. A study of the work during these years shows much of interest and the Managers desire to call attention to the large increase in the activity of all the departments of the Hospital and the great increase in the amount of work done.

Since 1900 the increase in the amount of work has been so marked that during the last year the capacity of all the departments of the Infirmary was tested severely at frequent intervals. In 1900 the patients treated in the wards numbered 2180; in 1905 the patients treated in the wards numbered 2902, an increase of 722. Last year the daily average of ward patients was 135, or 13 more than in 1900. The total number of days' board furnished last year was 48,813, or 4633 more days' board than in 1900.

The Gardner Building, for isolated cases, cared for 121 patients more last year than in 1900. The number of new Out-Patients has increased in the five years by 6170, and the total attendance in the Out-Patient Department was

16,669 above the attendance five years ago. Since the first year of work in the new buildings several important changes have been made and new departments added. An extra story has been constructed upon the Gardner Building, giving opportunity to treat additional and different kinds of contagious eye diseases and also to properly care for cases of general infectious diseases as they have broken out in the wards. This addition to the contagious wards has more than doubled the work of the Gardner Building and has necessitated increasing the staff of nurses by nine, and has also been an important factor in the increased cost of maintenance.

Since 1900 the pathological department has been put on a permanent and valuable basis and a salaried pathologist appointed. This department has been of much service to the staff and house officers and has also made valuable contributions to the scientific world from this institution.

An increase in the work of the Aural Department has necessitated two resident house surgeons during the last two years. In the past year a nose and throat operating room was provided by making certain structural changes in the aural Out-Patient Department; this room has facilitated much the work of the aural staff.

During the past year a system of investigation into the circumstances of all patients applying for treatment has been successfully started and an office for this purpose established. The Infirmary has made a thorough and consistent attempt to exclude all patients from the clinics who are not worthy objects of charity. Since the investigation bureau started in March, 1905, 1419 were refused treatment as "Unfit" cases. Of this number 532 patients were given certificates to be filled out by physicians, overseers of the poor, or some responsible person; of this number 84 certificates were returned properly signed. The average income per week of the cases accepted for

treatment was $10.19 and the average number dependent upon this weekly income was three.

The large increase in the work of the Infirmary and the additional departments have increased the cost of maintenance, as compared with that of 1900, by $22,360.36. This increased cost of maintenance is entirely due to the cost of the added departments and the increased amount of work in all departments, especially because of the increase of work in the contagious building. Because of this large increase in the amount of work, the Managers have not been able at any time during the past five years to run the institution without an annual deficit. In spite of most careful economy the deficit for 1905 was between eight and nine thousand dollars, as was the case in the previous year.

As stated by the Managers last year in their annual report, "This deficit, although it varies in different years, is an annual demand upon the resources of the institution. The Managers are confronted with a choice of two alternatives. Either the work of the Infirmary has to be cut down, thus diminishing its value to the most numerous class of its patients, the working class, who have to rely upon their ability to work for the maintenance of themselves and others dependent upon them, or the Managers have to draw upon the capital of the Infirmary to make up the deficit in the running expenses. Fortunately, in every year the gifts from legacies and from other sources to the Infirmary have been greater than this deficit, so that the general funds of the Infirmary have never been decreased in value, but it will readily be recognized that if, through any course of years, legacies to the Infirmary should cease, the Managers would be obliged, in order to support the Infirmary, actually to diminish the principal of the funds in their hands. Such a result would be greatly to be deplored, and the Managers hope that their permanent fund

may be made large enough by increased gifts and legacies to avoid future deficits."

The Managers regret to report the resignation during the last year of Dr. Clarence J. Blake, the first aural surgeon appointed at the Hospital, and Dr. Oliver F. Wadsworth, for many years one of the Ophthalmic Surgeons. Both these doctors have been appointed on the Board of Consulting Surgeons, and the Managers desire to record their deep appreciation of the long, valuable, and unselfish service rendered the Infirmary by them.

The Managers desire to acknowledge the following gifts and legacies received during the current year: —

Gift of J. Forest Burnham	$1 00
" " F. H. Peabody	25 00
George F. Manning and George A. Gibson, Executors of the will of Charles H. Hayden, Balance of legacy and interest . .	$23,566 66

WILLIAM C. ENDICOTT,
WILLIAM S. SPAULDING,
Committee of the Board of Managers.

September 30, 1905.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

INCOME, RECEIPTS AND DISBURSEMENTS

FOR THE YEAR ENDING SEPT. 30, 1905.

INCOME.

RECEIPTS:

Income from investments		$16,048 89
Income from trustees, will E. V. Ashton		1,500 00
Income from estate Robert B. Brigham		1,000 00
Appropriation from State		30,000 00
Rebate of bank tax		64 25
Gifts for running expenses		26 00
Income from insurance, loss by fire		110 00
From Superintendent, as per his report:		
Board of patients	$5,283 65	
Opticians' account	16,420 45	
Medicines	7,125 60	
Sundries	102 01	
		28,931 71
		$77,680 85
Excess of expenditures over receipts		12,354 50
		$90,035 35

EXPENDITURES.

Running expenses, per account of Superintendent		$89,050 49
Additional expenses, per account of Treasurer:		
Sundries	$238 50	
Insurance	437 56	
Printing	212 50	
Chemicals destroyed by fire	96 30	
		984 86
		$90,035 35

REPORT OF THE SUPERINTENDENT,

For the Year ending September 30, 1905.

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 2902, which is 87 more than last year.

Of the 2902 house patients, 1706 were males and 1196 were females.

Number of patients treated in Ophthalmic wards	1,651
Number of patients treated in Aural wards .	1,251

Of this number 308 were treated in the Gardner Building for contagious diseases. One hundred and forty-one of these were infants under one and one half years. A report on the special work in the Gardner Building follows later. The daily average number of patients treated in this building was 16.

Of the total number of patients treated in the wards, 1161 were children under 14 years of age.

The daily average number of patients treated in the wards was 135, or two more than last year.

The largest number of house patients treated on any one day was 158, the smallest number 102.

Number of free patients admitted . . .	1,578
Paying patients at $6.00 per week . . .	482
Paying patients at less than $6.00 per week .	719
Patients remaining in wards Sept. 30, 1904 .	123

The average rate paid per week per pay patient was $3·53.

The average stay per patient in the hospital under treatment was 16 days.

During the year 221 patients were refused admission for want of accommodation. Of this number 186 were subsequently admitted.

48,813 days' board was furnished to patients. 18,167 days were paid, and 30,646 were free.

RESIDENCE OF HOUSE PATIENTS.

Boston	1,079	Other states	1
Mass. (excepting Boston)	1,717	Azores	1
Maine	15	Russia	1
New Hampshire	73	England	1
Vermont	8		2,902
Rhode Island	3		
Connecticut	3		

OCCUPATIONS OF HOUSE PATIENTS.

MALES.

Actor	1	Laborers	199
Agents	5	Laundrymen	6
Baker	1	Lawyer	1
Barbers	14	Letter carriers	4
Blacksmiths	27	Masons	24
Bookbinders	2	Machinists	38
Bookkeepers	3	Metal workers and moulders	42
Butchers	9	Mill and factory operatives	118
Carpenters and woodworkers	46	Messengers	5
Clerks	36	Musician	1
Clergyman	1	Painters and glaziers	17
Cooks	4	Pedlers	14
Coachmen and hostlers	12	Porters	16
Draughtsmen	2	Photographer	1
Electricians	5	Printers and compositors	5
Engineers	7	Physician	1
Civil engineer	1	Plumbers and steamfitters	9
Farmers	33	Railroad employees	26
Firemen	2	Roofers	5
Gardeners	2	Seamen and fishermen	23
Janitors	5	Salesmen	10

Shoemakers	29	Upholsterers	2
Soldier	1	Waiters	8
Stonecutters	24	Watchmen	6
Students	11	Unclassified	20
Storekeepers	6	Veterinary surgeon	1
Shippers	4	Minors	694
Tailors	22	No occupation	42
Teachers	2		1,706
Teamsters	51		

FEMALES.

Bookkeepers	4	Saleswomen	7
Clerks	11	Stenographers	3
Domestics	95	Teachers	3
Dressmakers and seamstresses	19	Telephone operators	4
Housewives	298	Waitresses	6
Lodging-house keeper	1	Minors	653
Mill and factory operatives	44	No occupation	39
Pedler	1		1,196
Nurses	8		

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

1,966 were well.
537 were relieved.
75 were not relieved.
109 left against advice.
43 died.
7 were not treated.
1 refused treatment.
4 eloped.
28 were transferred to other hospitals for other diseases.
132 remaining in hospital, September 30, 1905.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 983 operations performed in the house, and 2,575 in the Out-Patient Department.

In the Aural Departments there were 1,233 operations performed in the house, and 1,010 in the Out-Patient Department.

SPECIAL REPORT OF THE WORK OF THE GARDNER BUILDING.

During the past year 308 patients were treated in the wards of the Gardner Building.

Of gonorrhoeal conjunctivitis there were 128 cases, 25 occurring in adults, 12 in children, and 91 in infants. The cornea was involved at the time of entrance in 18 of these cases, 6 of which were adults, 1 was a child, and 11 were infants. The cornea became involved in 13 cases after admission, 9 of which were in adults, 1 in a child, and 3 in infants.

There were 26 cases of purulent conjunctivitis, not gonorrhoeal, 5 of which were in adults, 10 in children, and 11 in infants.

There were also treated 1 case of membraneous conjunctivitis, 1 of trachoma, 1 of gonorrhoeal iritis, 8 of specific iritis, 5 of phlyctenular keratitis, 1 ulcerative keratitis with measles, 1 phlyctenular conjunctivitis with measles, 1 orbital abcess, 1 cellulitis of brow.

Saemisch's operation was performed on 6 adults, enucleation was performed twice, and paracentesis twice.

One hundred and thirty-four patients were transferred to the Gardner Building for specific iritis, vitreous opacities with specific disease, chicken-pox, measles, whooping cough, scarlet fever, erysipelas, and other contagious diseases which manifested themselves soon after admission to the Hospital.

OUT-PATIENT DEPARTMENT.

New patients treated: —

Ophthalmic:	Males	11,737	
	Females	11,761	
			23,498
Aural:	Males	4,523	
	Females	4,396	
			8,919
Total			32,417

Number of old patients treated in the Out-Patient Department was: —

Ophthalmic	29,324	
Aural	27,979	
		57,303
Total visits in Out-Patient Department,		89,720

RESIDENCE OF OUT-PATIENTS.

Boston	16,819	Connecticut	11
Mass. (excepting Boston)	15,294	Other states	15
Maine	61	British Provinces	13
New Hampshire	160		
Vermont	28	Total	32,417
Rhode Island	16		

OCCUPATIONS OF OUT-PATIENTS.

Actors	8	Musicians	43
Agents	140	Nurses	166
Artists	5	Painters	243
Bakers	71	Pedlers	194
Barbers	150	Pensioners	3
Blacksmiths	202	Photographers	13
Bookbinders	44	Physicians and dentists	15
Bookkeepers	163	Plumbers	98
Butchers	59	Policemen and letter carriers	79
Carpenters	532	Porters	189
Clerks	1,711	Railroad employees	691
Clergymen	19	Sailors and fishermen	199
Coachmen and hostlers	189	Seamstresses	488
Compositors and printers	155	Shoemakers	314
Domestics	1,804	Steam and gas fitters	51
Electricians	101	Stenographers	70
Engineers	135	Stonecutters	313
Engravers	10	Storekeepers	75
Farmers	123	Students	132
Firemen	151	Tailors	449
Hotel-keepers	48	Teachers	128
Housewives	5,302	Teamsters	527
Laborers	2,287	Telephone and telegraph operatives	49
Lawyers	5	Waiters	315
Masons	145	Woodworkers	200
Messengers	39	Unclassified	475
Machinists	744	No occupation	522
Mechanics	111	Minors	8,793
Metal and iron workers	490		
Milliners	74	Total	32,417
Mill and factory operatives	2,563		
Missionaries	3		

RECEIPTS AND EXPENDITURES FOR 1905.

RECEIPTS.

Board of patients	$5,283 65	
Medicines	7,125 60	
Optical department	16,420 45	
Sundries	102 01	
		$28,931 71
Received from the Treasurer		60,118 78
Total		$89,050 49

EXPENDITURES.

Provisions	$15,891 31
Soap	427 33
Gas	410 19
Wages	28,715 99
Medicines and dispensary	4,011 71
Furniture	522 64
Heat, light and power	9,602 20
($2,317.16 is interest charges on the combined plants of the Massachusetts General Hospital and Eye and Ear Infirmary.)	
Kitchen fuel	534 38
Stationery and printing	763 75
Water rates	1,272 80
Ice	936 30
House and surgical appliances and supplies	6,364 72
Optical department	11,949 45
Instruments	1,251 50
Wines, liquors and alcohol	346 32
Repairs and improvements	4,684 34
Contingent and sundries	1,365 56
Total	$89,050 49

The value of stock on hand October 1, 1905, was:

House and surgical supplies	$4,143 50	
Drugs and medicines	1,894 69	
Provisions	519 45	
	$6,557 64	
The value of stock on hand October 1, 1905, was:		$6,557 64
The value of stock on hand October 1, 1904, was:		5,676 09
		$881 55

Deducting the difference in value of the stock on hand October 1, 1905, $881.55, and October 1, 1904, gives the cost of maintenance per house patient per week as $12.53, or 49 cents a week more than in 1904. The cost of maintenance per inmate, per week, was $7.53. The cost of uncooked food supplies for all persons, including patients and the entire household at the hospital, was $15,891.31. The daily average number of patients was 135; of officers and employees, including house and nursing staff, 90, or a total daily average of 225 persons. The number of weeks' board for all persons was 11,732, and the weekly cost per person for uncooked food supplies was $1.35 or 19⅓ cents per day. Deducting the cost of the optical department and pathological laboratory gives the cost of maintenance per house patient per week as $10.57.

EXPENSE.

The total expenditure by the Superintendent has been $89,050.49, which is itemized as follows: —

Provisions		$15,891 31
Meat, fish and poultry	$5,788 68	
Fruit and vegetables	1,750 60	
Bread and flour	864 00	
Milk	2,479 59	
Groceries	2,943 39	
Butter and eggs	2,065 05	
Wines, liquors and alcohol		346 32
Water rates		1,272 80
Soap		427 33
Gas		410 19
Ice		936 30
Heat, light and power		9,602 20
Fuel (kitchen)		534 38
Medicines and dispensary		4,011 71
Furniture		522 64
Stationery and printing		763 75
Wages		28,715 99
Officers (Superintendent, Pathologist, Matron, Assistant Matron, Druggist)	6,579 96	

Clerks (office, Out-Patient department and telephone)	$2,870 68	
Engineers	880 00	
Carpenter and painter	790 00	
Laboratory assistant	457 00	
Ward masters	2,608 32	
Orderlies	1,160 00	
Porters	1,263 34	
Apothecary assistant	410 00	
Elevator man	232 67	
Head and operating-room nurses	2,990 00	
Post-graduate nurses	176 40	
Special nurses	178 73	
Attendant nurses	3,323 14	
Kitchen and dining-room employees	1,615 37	
Laundresses	1,514 32	
Ward maids	449 24	
General women	972 82	
Seamstress	244 00	
Cost of optical department		$11,949 45
Optical and surgical instruments and repairs		1,251 50
Repairs and improvements		4,684 34
Plumbing	454 81	
Laundry machinery	73 31	
Steam plant	298 32	
Electric plant	176 46	
Carpentering	348 70	
Painting and glazing	826 52	
Kitchen cooking apparatus	193 63	
House cleaning	110 65	
Elevator	174 03	
Grounds	125 79	
Locks, keys, etc.	107 07	
Furniture	35 88	
Alterations in ear testing room, Out-Patient department	466 45	
Signs	17 00	
Alterations on refrigerator	343 75	
Hot water boilers	881 97	
Changes in nurses' and maids' dormitories	50 00	
Furnishings and supplies		6,364 72
Kitchen and dining rooms	85 20	
Linen room	930 88	
Surgical supplies	3,154 67	
Laundry supplies	119 68	

Steam plant supplies	$31 75	
Bacteriological laboratory supplies	66 52	
Electric fixtures and lamps	59 10	
Disinfectant	112 50	
General supplies	985 17	
Uniforms:		
Doctors	175 50	
Orderlies	227 50	
Patients	416 25	
Contingent and sundries		$1,365 56
Sundries and training school	274 75	
Surgeons' library	183 25	
Postage and express	125 80	
Telephone	459 66	
Laboratory	14 60	
Advertising	34 50	
Office expense	155 00	
Dispensary	108 00	
Grounds	10 00	

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

During the past year seventy lectures and classes were given by the Surgical Staff, the House Staff and the Superintendent of Nurses. The subjects covered were the Anatomy and Physiology of the Eye and Ear, Clinical Diseases and Surgery of the same, Refraction, Aural and Ophthalmic Nursing, and special nursing of Brain Abscess, and the Ear in Art and History. Eight lectures were given on the Hospital Formulary. Special and individual instruction was given in sterilizing, etherizing, operating-room technique, and the preparation of infants' food.

The number of post-graduate nurses taking the course was eleven. Seven graduates received the diploma of the school. Twenty applications for the course were received during the year.

In addition to the regular special training, instruction in hospital management has been inaugurated. The practical details of the duties of an executive nurse in charge of a floor or ward have been taught by the permanent head nurses. The opportunity to teach pupil nurses in class and a number of lectures on hospital organization, management, buying, etc., have been given.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient Departments from September 30, 1896, to October 1, 1905, showing the yearly increase in the number of patients treated in each department; also the total number of patients treated in both departments during the past ten years: —

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1896	912	285	15,359	5,545	22,101
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
1902	1,483	750	22,839	7,180	32,252
1903	1,548	975	23,614	7,876	34,013
1904	1,546	1,269	23,943	8,782	35,540
1905	1,651	1,251	23,498	8,919	35,319
Totals . .	13,614	7,125	199,890	69,435	290,064

A total of 269,325 new patients treated in the Out-Patient Department. As these patients made an average of three visits, it brings the total number of visits of patients to 807,975.

Respectfully submitted,

FARRAR COBB, M.D.,
Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen: Your board of surgeons herewith submit for your inspection a report of their work for the fiscal year ending September 30.

During the past year nothing of unusual importance has occurred. A large number of operations have been performed in both the Ophthalmic and Aural Departments.

We take pleasure in reporting the most constant attention to all the details by the executive department, which we thoroughly appreciate and commend.

The Aural surgeons wish to express their appreciation of the advantages afforded by the new clinic and operating rooms. The treatment of the nose and naso-pharynx in connection with that of the ear can now be satisfactorily carried out.

In our last report we referred to the large number of ineligible cases who applied to the infirmary for treatment, and, following the suggestions made by your surgeons, a large number of "Unfits" have been eliminated.

On March 23, 1905, the system was inaugurated, by which, during the remainder of the year 1419 patients were dismissed, making a total for the year, 1809, which

is a large increase over the past four years:

in	1900,	444
	1901,	201
	1902,	441
	1903,	370
	1904,	437
	1905,	1809

and we feel sure that no worthy person has been deprived of treatment. This has given the Surgeons more time to devote to those for whom the infirmary was intended.

In conclusion, the Board of Surgeons begs to express its appreciation of the facilities afforded it for doing its work under the best conditions of supply and administration.

For the Full Board of Surgeons,

HENRY B. CHANDLER,
FREDERICK L. JACK.

September 30, 1905.

REPORT OF PATHOLOGICAL LABORATORY.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen: Since the report of last year the work of the Laboratory has been carried on without interruption and without noteworthy changes. All of the material which accumulated during the absence of the Pathologist in 1903 has been described and recorded. The Laboratory collection has now reached considerable proportions and is probably not surpassed by any similar collection in this country. The facilities of the Laboratory have been found adequate to meet all routine requirements, but the Pathologist would call the attention of the Board of Managers to the need of a modern photo-micrographic apparatus for use in connection with the research work. At present especial attention is being given to the investigation of a new antiseptic fluid which, it is hoped, will prove of great value in the treatment of many infectious diseases of the eye and ear.

Publications:

"A Rare Tumor arising from the Pars Ciliaris Retinae (Terato-neuroma) of a Nature Hitherto Unrecognized, and its Relation to the So-called Glioma Retinae."—F. H. Verhoeff, American Ophthalmological Transactions, 1904.

"The Bacillus Pneumoniae Found in a Case of Conjunctivitis. The Bacillus Pyocyaneus Found in a Case

of Conjunctivitis. Blank Cartridge Wound of the Eye. Panophthalmitis Probably Due to Bacillus." — G. S. Derby. American Journal of Ophthalmology, 1905.

"The Mixed Tumors of the Lachrymal and Salivary Glands." — F. H. Verhoeff. Journal of Medical Research, 1905.

"Die Pathologische Histologie der Parinaudschen Conjunctivitis." — F. H. Verhoeff and G. S. Derby. Klinische Monatsblätter für Augenheilkunde, 1905.

"A Case of Discoloration of the Cornea by Blood Pigment, and one of Hemorrhage into the Cornea." — O. F. Wadsworth. Pathological Report by F. H. Verhoeff. Ophthalmic Record, 1905.

"Tumors of the Conjunctiva and Cornea." — J. M. Ray. Pathological Report by F. H. Verhoeff. Ophthalmology, 1905.

FREDERICK H. VERHOEFF,
Pathologist.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS

Lids.

Abscess	5
Ankyloblepharon	1
Chalazion	1
Ectropion	4
Entropion	19
Spastic	1
Eczema	1
Epithelioma	9
Epidermoid carcinoma	1
Ptosis:	
Acquired	5
Congenital	9
Trichiasis	5
Angioma	3
Total	64

Lachrymal Apparatus.

Abscess of lachrymal sac	14
Dacryo-cystitis:	
Acute	6
Chronic	4
Lachrymal obstruction	6
Mucocele	5
Sarcoma lachrymal gland	1
Cylindroma lachrymal gland	1
Total	37

Conjunctiva.

Caruncle, retracted	1
Conjunctivitis:	
Acute	3
Follicular	1
Gonorrhoeal:	
in adults	25
in children	9
in infants	93
Membranous	1
Phlyctenular	3
Purulent:	
in adults	6
in children	10
in infants	14
Trachomatous	25
with pannus	42
Tubercular	1
Vernal catarrh	1
Pterygium	4
Symblepharon	5
Tumor	1
Epithelioma	1
Dermoid	2
Total	248

Cornea.

Abscess	4
Ectasia	2
Keratitis:	
Interstitial	27
Phlyctenular	82
Simple	15
Superficial	6
Traumatic	2
Ulcerative	83
Concentric	1
Dendritic	5
Marginal	5
with hypopyon	81
with perforation	4

with perforation	
with prolapsed iris	1
Serpiginous	3
Vascular	8
with staphyloma	1
Kerato-conus	2
Kerato-iritis	9
Kerato-scleritis	1
Leucoma:	
Adherent	3
Inflamed	5
Partial	8
Total	4
Staphyloma	10
Tumor, dermoid	1
Total	373

Iris and Ciliary Body.

Blocked pupil	19
Iritic adhesions	1
Iritis:	
Chronic	2
Gonorrhoeal	5
with hypopyon	1
Gummatous	2
Rheumatic	12
Simple	31
Specific	25
Traumatic	3
Irido-cyclitis	13
Uveitis	2
Total	116

Lens.

Cataract:	
Capsular	60
Congenital	33
Zonular	1
Hypermature	16
Immature	5
Mature	218
Pre-senile	10
Traumatic	23
Dislocated lens	6
in anterior chamber	1
Total	373

Injuries.

Burns:	
Conjunctiva	1
Conjunctiva and cornea	30
Conjunctiva and lids	2
Conjunctiva and sclera	1
Cornea	7
Cornea and lids	4
Non-perforating:	
Brow, with infection	1
Cornea	14
Globe	1
with cataract	1
with dislocated lens	1
with hyphaemia	10
with irido-dialysis	5
Lids	3
Perforating:	
Brow	2
Conjunctiva	1
Cornea	31
with foreign body	9
with prolapsed iris	22
with prolapsed iris and vitreous	1
Corneo-ciliary region	7
with foreign body	1
Cornea and iris	1
Cornea and lens	8
with foreign body	4
Lid	7
with contusion of globe	1
Lid and conjunctiva	3
Lid and sclera	1
Sclero-corneal region	9
Sclera	9
with foreign body	3
Total	201

Optic Nerve.

Amblyopia, toxic	2
Optic atrophy	3
Neuro-retinitis	2
Neuritis:	
Optic	2
Retro-bulbar	1
Total	10

Choroid.

Sarcoma	1
Total	1

Vitreous.

Hemorrhage	1
Opacities	4
Total	5

Retina.

Glioma	2
Retinitis:	
Hemorrhagic	1
Proliferans	1
Separated retina	9
Thrombosis central artery	1
Thrombosis central retinal vein	1
Total	15

Globe and Orbit.

Abscess:	
Brow	1
Orbit	2
Buphthalmos	2
Cellulitis:	
Brow	1
Orbit	1
Contracted orbit	2
Cyst of brow:	
Dermoid	2
Sebaceous	1
Disorganized globe	21
Exophthalmic goitre	1
Exophthalmos	5
Glaucoma:	
Absolute	7
Acute	8
Chronic	10
Hemorrhagic	2
Secondary	11
Simplex	8
Herpes zoster ophthalmicus	1
High myopia	2
Hypermetropic astigmatism	1
Panophthalmitis	6
Phthisis bulbi	15
Rupture of globe	1
Sarcoma	1
Sympathetic ophthalmia	4
Tumors	2
Epithelioma brow	1
Cylindroma orbit	1
Epithelioma orbit	2
Total	122

Muscular Affections and Neuroses.

Esophoria	1
Strabismus:	
Convergent	30
Alternating	10
Divergent	9
Alternating	2
Total	52

Summary.

Lids	64
Lachrymal apparatus	37
Conjunctiva	248
Cornea	373
Iris and ciliary body	116
Lens	373
Injuries	201
Optic nerve	10
Choroid	1
Vitreous	5
Retina	15
Globe and orbit	122
Muscular affections and Neuroses	52
Total	1,617

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

Lids.

Abscess	2
Ablation cilia	1
Ankyloblepharon plastic	1
Ankyloblepharon partial	1
Chalazion, excised	3
Ectropion scalping operation	2
Plastic	1
Entropion:	
Green's	1
Hotz	2
Lower lid	6
Plastic	1
Pfalz (modified)	11
Snellen	2
Electrolysis	12
Plastic	13
Ptosis:	
Gillet de Grandmont	1
Pagenstecher	3
Panas	3
Panas (modified)	4
Tumor, excised	5
Wound, sutured	5
Angioma of lower lid and orbit	1
Total	80

Conjunctiva.

Advancement of caruncle	1
Dermoid cyst	1
Grattage	2
Peritomy	1
Plastic	3
Pterygium (McReynolds)	5
Stripping	24
Symblepharon	3
Weeks	1
De Meckers plastic of conjunctiva	1
Tumor	3
Vasectomy	1
Total	46

Cornea.

Cauterized	2
Curetted	1
Paracentesis	7
Powder grains removed	7
Saemisch	33
Staphyloma:	
Anterior	4
Excision, partial	1
Tattooed	2
Total	57

Iris.

Iridectomy:	
Attempted	2
Freeing anterior synechiae	2
posterior synechiae	16
Glaucoma	23
Old irido-cyclitis	1
Optical	16
Preliminary to cataract	1
Iridotomy	1
Prolapsed iris:	
Abscised	16
Cauterized	2
Replaced	4
Total	81

MUSCLES.

Advancement:	
External rectus	15
Todd's Tuck	8
Internal rectus	10
Tenotomy:	
External rectus	7
Internal rectus	35
Partial internal rectus	2
Total	77

LENS.

Capsulotomy	93
Attempted	1
Cataract:	
Attempted	7
Couching	1
Discission	96
Linear incision	3
Simple extraction	66
with buttonhole of iris	54
with iridectomy	107
with scoop	5
Suction	24
Attempted	1
Total	458

ENUCLEATIONS.

For disorganized globe	9
Disorganizing globe	2
Foreign body	3
Glaucoma	9
Injury	19
Intraocular hemorrhage with expression of contents	1
Irido-cyclitis	3
Panophthalmitis	5
Enucleation with insertion of paraffin ball in tenous capsule	22
Phthisis bulbi	7
Sympathetic inflammation	2
Staphyloma	2
Tumor of globe	5
Glioma	2
Total	91

ORBIT.

Division of cicatrix	1
Excision, cyst of brow	3
cyst of orbit	1
Exenteration	1
Exenteration with skin graft	1
Exploratory	5
Incision of orbital abscess	1
Skin graft	2
Excision, tumor	1
Total	16

MISCELLANEOUS.

Adenectomy	7
Curetting lachrymal sac	1
Evisceration	8
Mules	5
Extirpation lachrymal sac	14
Foreign body, anterior chamber	2
Incision of lachrymal abscess	15
Ligature canaliculi	2
Lumbar puncture for neuro-retinitis	1
Magnet, attempted	8
with iridectomy, attempted	1
Intraocular steel	3
Probing lachrymal duct	1
Sympathectomy, double	3
Tonsillectomy	5
Total	76
Total	982

OUT-PATIENTS.

Abscess, brow	9	Punctum	3
Lachrymal	24	Sclera	4
Lid	27	Granulation tissue	3
Nose	1	Hordeolum	59
Cyst, brow	3	Lymphangiectasis	1
Conjunctiva	1	Milium	3
Lid	13	Papilloma	2
Chalazion	274	Pterygium	47
Electrolysis	1	Stripping	2
Foreign body, anterior chamber	2	Saemisch	2
Caruncle	2	Tumor lids	1
Conjunctiva	77	Verruca	3
Cornea	1,750	Wen lid	3
Lens	1	Xanthalasma	1
Lid	256	Total	2,575

OPHTHALMIC OUT-PATIENT DEPARTMENT.

New Patients (Male)	11,737	New Patients (Female)	11,761

DISEASES OF OUT-PATIENTS.

Lids.	
Abscess	59
Bleb	1
Blepharitis	921
Burn	53
Chalazion	467
Cicatrix	1
Cornu-cutaneum	2
Cyst	28
Dermatitis	15
Ecchymosis	40
Ectropion	53
Eczema	35
Emphysema	2
Entropion	25
Epicanthus	4
Epithelioma	12
Erysipelas	2
Foreign body	226
Granulation	9
Herpes zoster	7
Hordeolum	217
Lagophthalmus	8
Lippitudo	1
Lithiasis	3
Milium	6
Molluscum	1
Naevus	32
Oedema	80
Papilloma	5
Phthiriasis	2
Ptosis	59
Symblepharon	12
Trichiasis	58
Tumor	7
Ulcer	1
Verruca	13
Wound	31
Xanthelasma	5
Total	2,503
Lachrymal Apparatus.	
Abscess	53
Contracted caruncle	1
Cyst	2
Dacryo-cystitis	42
Epiphora	184
Foreign body:	
Caruncle	1
Punctum	3
Fistula	3
Lachrymal obstruction	121
Mucocele	53
Total	463
Conjunctiva.	
Abrasion	2
Burn	97

Conjunctivitis:	
Blennorrhoeal	15
Catarrhal, acute	899
Catarrhal, chronic	365
Diphtheritic	5
Follicular	75
Gonorrhoeal	66
Granular	137
Granular, with pannus	42
Muco-purulent	94
Neonatorum	56
Phlyctenular	415
Simple	2,748
Traumatic	166
Cuts	26
Cyst	5
Ecchymosis	196
Foreign body	49
Hyperaemia	10
Lymphangiectasis	2
Oedema	8
Pinguecula	25
Pterygium	105
Ulcer	3
Total	5,611

CORNEA AND SCLERA.

Abrasion	178
Abscess	4
Buphthalmus	2
Bleb	1
Burn	66
Cyst	2
Decemetitis	4
Episcleritis	49
Foreign body:	
Cornea	1,882
Sclera	7
Growth cornea	1
Herpes	2
Infiltration cornea	60
Keratitis:	
Bullous	1
Dendritic	4
Fascicular	3
Hypopyon	3
Interstitial	59
Phlyctenular	294
Punctata	5
Simple	182
Superficial	34
Traumatic	7
Ulcerative	48
Vascular	12
Kerato-conus	7
Kerato-iritis	10
Leucoma	251
Adherens	21
Inflamed	59
Maculae	65
Nebulae	261
Papilloma cornea	2
Opacities	28
Rupture sclera	1
Scleritis	5
Sclero-keratitis	4
Staphyloma:	
Cornea	11
Sclera	1
Tumor cornea	1
Ulcer cornea	472
with hypopyon	59
Dendritic	3
Fascicular	2
Phlyctenular	42
Serpiginous	1
Superficial	14
Traumatic	66
Vascular	3
Wound:	
Ciliary region	3
Cornea	80
Sclera	16
Total	4,398

IRIS AND CILIARY BODY.

Amiridia	1
Argyll-Robertson pupil	2
Bombé iris	6
Ciliary injection	35

Coloboma	9
Cyclitis	1
Foreign body iris	1
Gumma	2
Heterochromia	1
Irido-cyclitis	10
Irido-dialysis	12
Irido-donesis	35
Iritis:	
Rheumatic	29
Specific	281
Traumatic	18
Iritic adhesions	11
Mydriasis	18
Artificial	34
Myosis	1
Occluded pupil	38
Prolapse	26
Rupture	1
Staphyloma	1
Synechiae:	
Anterior	25
Posterior	29
Uveitis	4
Total	631

LENS.

Cataract:	
Black	1
Capsular	6
Congenital	19
Incipient	261
Lamellar	2
Mature	302
Morgagnian	1
Nuclear	2
Posterior-polar	15
Traumatic	44
Dislocated lens	24
Foreign body	5
Oedema	3
Opacities	101
Total	786

VITREOUS.

Haemorrhage	9
Hyalitis	5
Intra-ocular haemorrhage	2
Muscae volitantes	5
Opacities	133
Webs	4
Total	158

ANTERIOR CHAMBER.

Deposit	1
Foreign body	4
Hyphaemia	52
Total	57

OPTIC NERVE.

Atrophy	55
Neuritis	15
Retro-bulbar	1
Papillitis	1
Total	72

RETINA.

Glioma	1
Changes in macula	17
Haemorrhage in macula	12
Hyaloid haemorrhage	2
Hyaloid arteries	1
Neuro-retinitis	13
Oedema	1
Pigmentary degeneration retina	4
Retinitis	14
Albuminuric	5
Haemorrhagic	6
Separation retina	30
Total	106

CHOROID.

Albinism	2
Atrophy	22
Choroiditis	82
Coloboma	2
Glaucoma	61
Irido-choroiditis	5
Retino-choroiditis	12

Rupture choroid	2
Sarcoma	1
Scleroticochoroiditis	2
Staphyloma:	
Anterior	4
Posterior	9
Total	204

GLOBE AND ORBIT.

Abscess orbit	2
Anophthalmus	42
Carcinoma orbit	1
Disorganized globe	36
Emphysema orbit	4
Epithelioma	1
Exophthalmos	18
Foreign body globe	18
Granulation orbit	1
Growth globe	2
Irritable orbit	5
Oedema orbit	1
Panophthalmitis	1
Phthisis bulbi	33
Rupture globe	6
Sarcoma	1
Sympathetic ophthalmia	1
Tenonitis	2
Tumor orbit	3
Total	178

GENERAL INJURIES.

Blows and cuts	232
Burns	46
Total	278

ACCOMMODATION AND REFRACTION

Asthenopia	403
Astigmatism	3,189
Emmetropia	20
Hypermetropia	6,010
Myopia	1,310
Paralysis of Accommodation	7
Presbyopia	2,070
Total	13,009

AFFECTIONS OF THE PERCIPIENT APPARATUS.

Amblyopia	61
Alcohol, tobacco, etc.	54
Hemianopsia	2
Scotoma	50
Total	167

MUSCULAR AFFECTIONS AND NEUROSES.

Blepharospasm	9
Diplopia	29
Esophoria	6
Exophoria	4
Exophthalmic goitre	3
Hyperphoria	5
Locomotor ataxia	2
Nictitation	7
Nystagmus	50
Ophthalmoplegia externa	1
Orthophoria	7
Paralysis:	
Facial	16
Third	40
Fourth	3
Sixth	6
Photophobia	6
Strabismus:	
Alternating	16
Convergent	403
Divergent	126
Supra-orbital neuralgia	18
Total	757

MISCELLANEOUS.

Eloped	26
Entered by mistake	3
No diagnosis	306
No disease	81
Vision cases not refracted	444
Referred to other institutions	82
Refused treatment	19
Unfit	1,809
Total	2,770

Other Diseases.	
Abscess cheek	1
Nose	1
Anaemia	1
Diabetes	2
Eczema	2
Frontal sinus	7
Headache	3
Neurosis	1
Tuberculosis	1
Tabes	1
Total	20

SUMMARY.

Lids	2,503
Lachrymal apparatus	463
Conjunctiva	5,611
Cornea and sclera	4,398
Iris and ciliary body	631
Lens	786
Vitreous	158
Anterior chamber	57
Optic nerve	72
Retina	106
Choroid	204
Globe and orbit	178
General injuries	278
Accommodation and refraction	13,009
Affections of the percipient apparatus	167
Muscular affections and neuroses	757
Miscellaneous	2,770
Other diseases	20
Total	32,168

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF EXTERNAL EAR.

a. *Malformations.*

	R.	B.	L.
Deformity of auricle	0	0	1

b. *Miscellaneous.*

Orthaematoma	0	0	1
Perichondritis	0	0	3
Erysipelas	1	0	1

II. DISEASES OF THE MEATUS.

Otitis externa circumscripta	9	3	5
Foreign body	2	0	0

III. DISEASES OF MIDDLE EAR.

a. *Acute Inflammations.*

Otitis media acuta — simple	9	6	8
With mastoiditis	9	0	11
With otitis externa circumscripta	1	0	2
With facial paralysis	0	0	1

b. *Acute Suppurative Inflammations.*

Otitis media suppurative acuta — simple	56	17	52
With cervical adenitis	0	0	2
With cervical adenitis with torticollis	0	0	1
With otitis externa circumscripta with preauricular abscess	0	0	1
With facial erysipelas	0	0	1
With mastoiditis	46	0	35
With mastoiditis and otitis externa diffusa	3	0	1
With mastoiditis and post aural abscess	11	0	16
With mastoiditis and erysipelas	0	0	1
With mastoiditis and sinus thrombosis	0	0	4
With mastoiditis and perisinous abscess	1	0	0

	R.	B.	L.
With mastoiditis and extra dural abscess	1	0	1
With mastoiditis and cerebellar abscess	0	0	1
With mastoiditis and brain abscess	0	0	2
With tubercular meningitis	1	0	0
With deaf mutism	0	1	0
With recurrent mastoiditis	3	0	1

c. *Chronic Suppurative Inflammations.*

Effectus otitis media suppurative chronica	3	4	3
Effectus otitis media suppurative chronica with furunculosis	0	1	0
Effectus otitis media suppurative chronica with cholesteatoma	0	0	1
Otitis media suppurative chronica — simple	19	4	32
With otitis externa diffusa	0	0	1
With cervical abscess	1	0	0
With cholesteatoma	0	0	1
With cholesteatoma — mastoiditis — perisinuous abscess	0	0	1
With granulations in tympanum	1	2	0
With polyp	6	0	7
With polyp and caries of canal wall	0	0	1
With atresia of canal and cholesteatoma	1	0	1
With caries of ossicles	2	3	13
With caries of ossicles and polypi in tympanum and cerebro spinal meningitis	0	0	1
With cerebral abscess	0	0	3
With meningitis	0	0	1
With mastoiditis	36	0	31
With mastoiditis and post aural abscess	4	0	8
With mastoiditis and post aural abscess and cervical abscess	1	0	0
With mastoiditis and sinus thrombosis	1	0	0
With mastoiditis and extra dural abscess	0	0	1
With mastoiditis and extra dural abscess and thrombosis of cavernous sinus	1	0	0
With mastoiditis and cerebral abscess	1	0	0
With mastoiditis and cerebellar encephalitis	1	0	0
With mastoiditis and polyp	0	0	1
With recurrent mastoiditis	11	0	8

IV. DISEASES OF THE LABYRINTH.

Labyrinthitis (specific)	0	6	0
Haemorrhage of labyrinth	0	4	0

V. DISEASES OF NOSE, NASO PHARYNX AND TONSILS.

	R.	B.	L.
Deviation of nasal septum	2	0	2
Adenoids	0	113	0
Adenoids and tonsils	0	590	0
Tonsils	0	3	0
Peritonsillar abscess	0	0	2
Follicular tonsillitis with peritonsillar cellulitis	0	1	0

VI. DISEASES OF THE ACCESSORY SINUSES.

a. *Frontal Sinus.*

Frontal sinusitis — acuta	10	0	3
Frontal sinusitis — chronica	3	2	0

b. *Antrum of Highmore.*

Malignant disease:			
Sarcoma	1	0	0
Carcinoma	0	0	1
Non-malignant disease:			
Sinusitis — chronica	3	0	0

c. *Ethmoid.*

Malignant disease:			
Sarcoma	1	0	0
Non-malignant disease:			
Ethmoiditis — chronica	3	0	0
Ethmoiditis with orbital abscess	0	0	1
Ethmoiditis with nasal polypi with deviation of septum	0	1	0

d. *Sphenoid.*

Sphenoiditis	2	0	0

VII. MISCELLANEOUS.

Adhesions of soft palate to post pharyngeal wall	0	2	0
Epithelioma of pharynx and larynx	0	1	0
Erysipelas	0	3	0
Neurasthenia	0	1	0
Hysteria	0	1	0
Fracture temporal bone	0	0	1
Fracture, base of skull	0	1	0
Acute gastro-enteritis	0	1	0
Pediculosis capitis and cervical adenitis	0	1	0
Post aural adenitis	1	0	1
Periostitis, temporal	1	0	1
Cerebro-spinal meningitis	0	1	0
Convalescent mastoid wound	2	0	0

	R.	B.	L.
Convalescent mastoid wound with cervical cellulitis	1	0	0
Convalescent exenteration cavity	1	0	0
Foreign body meatus and middle ear, laceration canal walls and membrana tympani, meningitis	1	0	0
Otalgia dentalis	1	0	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

	R.	B.	L.
Abscess of tragus incised	0	0	2
Abscess of lobe incised	1	0	1
Cyst removed	7	0	3
Cornu excised	1	0	0
Othaematoma incised	3	0	5
Cartilage excised	0	0	1
Plastic	1	0	1
Deformity	0	0	1
Amputation	0	0	1
Dissection of tumor	0	0	1
Steatoma	0	0	3

2. Meatus.

Abscess incised	52	2	40
Circumscribed abscess incised	12	2	9
Foreign body removed	3	0	2
Keratosis	0	1	0
Polypus removed	0	1	0

3. Tympanum.

Drum-membrane, paracentesis	401	146	403
Carious ossicles removed	8	2	15
Granulations in tympanum removed	1	0	0
Polypus removed	51	0	55

4. Nose and Pharynx.

Nose, spur removed	0	7	0
Nose, turbinate removed	0	19	0
Nose, polypus removed	0	8	0
Deflected septum straightened	0	12	0
Naso pharynx, adenoids removed	0	151	0
Naso pharynx, adenoids and tonsils removed	0	474	0
Naso pharynx, tonsils removed	0	4	0

	R.	B.	L.
Carcinoma	0	0	1
Ethmoids curetted	0	4	0
Sphenoids curetted	0	2	0
Peritonsillar abscess	0	4	0
Correction of deformity of nasal bone	0	4	0
Dissection of palate from naso pharynx	0	2	0
Frontal sinus	12	1	1

5. Mastoid Region.

Cervical abscess incised	6	0	1
Mastoid operations	116	1	124
Mastoid operation with brain abscess	2	0	2
Mastoid operation with tying of jugular	4	0	2
Curetting mastoid	0	0	3
Skin graft	11	1	11
Perisinous and extra dural abscess evacuated	1	0	3

MISCELLANEOUS.

Various operations	5	0	2
Lumbar puncture	0	4	0

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	1	0	0
Abscess of lobe	1	0	1
Abscess of tragus	2	0	2
Congelatio	3	2	6
Cornu	1	0	0
Dermatitis	2	0	2
Eczema	29	24	35
Erysipelas	4	0	2
New growth	1	0	0
Haematoma traumatica	6	0	4
Herpes zoster	2	0	3
Perichondritis	2	0	1
Steatoma	0	0	3

b. *Deformities.*

Microtia	1	0	2
Congenital fistula of auricle	1	1	1

c. *Neoplasms.*

	R.	B.	L.
Cyst of auricle	1	0	1
Cyst of lobe	1	0	2
Epithelioma	3	0	5
Papilloma	0	0	1
Othaematoma	6	0	8

d. *Trauma.*

Auricle	1	0	2

2. MEATUS.

Cerumen	513	925	702
Trauma	1	0	1
Atresia	2	0	1
Abscess	10	0	9
Eczema	42	35	39
Puritus	0	0	1
Acute diffuse inflammation	30	9	38
Chronic diffuse inflammation	2	2	6
Acute circumscribed inflammation	120	18	88
Foreign body (animate)	3	0	7
Foreign body (inanimate)	17	2	14
Aspergillus	2	0	2

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	15	0	9
Trauma indirect	2	0	4

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

Mucous	220	792	135
With adenoids	60	155	94
With labyrinthine disease	9	5	12

b. *Adhesive Catarrhal Inflammation.*

Secretory	108	357	153
Secretory with labyrinthine disease	9	0	7
Insidious	3	2	8

c. *Acute Inflammation.*

Simple	510	190	442
With adenoids	45	36	55
With mastoiditis	67	9	82
With facial paralysis	1	0	1

	R.	B.	L.
With post aural abscess	2	0	1
With mastoid abscess	1	0	1
With sub-periosteal abscess	0	0	2
d. *Acute Suppurative Inflammation.*			
Simple	364	129	285
With caries of mastoid	1	0	1
With mastoiditis	195	23	139
With mastoiditis and meningitis	1	0	2
With mastoiditis and facial paralysis	1	0	1
With mastoid fistula	1	0	1
With post aural abscess	10	0	8
With facial paralysis	1	0	2
With adenoids	25	12	17
With mastoiditis and extra dural abscess	1	0	1
e. *Chronic Suppurative Inflammation.*			
Simple	473	280	402
With caries of mastoid	1	0	1
With mastoiditis	25	0	32
With mastoiditis and facial paralysis	1	0	2
With mastoid fistula	2	0	1
With caries of the ossicles	21	0	17
With caries of the ossicles and polypus in tympanum	1	0	0
With facial paralysis	2	0	1
With polypus in the tympanum	108	0	101
With granulations in the tympanum	26	2	10
With mastoiditis, facial paralysis and polypus in tympanum	1	0	0
With polypus in the tympanum and meningitis	0	0	1
With post aural abscess	1	0	1
With post aural abscess, facial paralysis, and sarcoma	0	0	1
With adenoids	40	21	39
Effect of suppurative inflammation	302	150	164
Effect of suppurative inflammation with labyrinthine disease	0	0	1
Effect of suppurative inflammation with polypus in the tympanum	1	0	0
Effect of suppurative inflammation with adenoids	10	4	23
IV. NEUROSIS OF MIDDLE EAR.			
Otalgia from teeth	47	5	35
Otalgia from pharynx	5	2	4

V. DISEASES OF THE LABYRINTH.

	R.	B.	L.
Labyrinthitis	18	22	20
Anaemia	0	0	1
Concussion	4	0	1

VI. MISCELLANEOUS.

Adenoids	0	142	0
Adenoids and tonsils	0	90	0
Tonsils	0	16	0
Hypertrophic rhinitis	0	35	0
Atrophic rhinitis	0	41	0
Purulent rhinitis	0	29	0
Peritonsillar abscess	0	5	0
Polypus (nose)	0	27	0
Spur (nose)	0	16	0
Foreign body (nose)	0	2	0
Lupus (nose)	0	1	0
Sarcoma (nose)	0	1	0
Deaf mutism	0	14	0
Deflected septum	0	32	0
Carcinoma tonsil	1	0	0
Frontal sinus	16	1	12
Deformity (nose)	0	2	0
Eloped	0	16	0
No diagnosis	0	45	0
No ear disease	0	63	0
Unfit patients	0	205	0

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is $72 for the course.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1904-1905.

The managers desire to gratefully acknowledge the receipt of the following donations in 1904–1905 : —

Medical Journals for the Surgeons' Library, from Dr. B. Joy Jeffries.

Flowers, from Mrs. F. L. Higginson.

Phono-Pneumo-Massage Instrument with conversation tubes, from Mrs. Leonora A. Carlton.

Flowers, from the Boston Flower and Fruit Mission.

Magazines and children's books, from Mrs. C. D. Newcomb.

Two railroad tickets to Marblehead, from Mr. M. V. Brennan.

Flowers, from the Arlington Street Church.

Magazines, from Mr. John G. Schroeder.

Books for Surgeons' Library, from Dr. Gustavus Hay.

Flowers, from Mr. Charles Sanders.

Five discs for the Stella Music Box, from the Students' Association of Miss Hersey's School.

Flowers, anonymous.

Books and magazines and a large number of pictures for the children, from Mr. Edward A. Page.

Patients' clothing, from the Needlework Guild of America, Jamaica Plain Branch, through Mrs. R. M. Morse.

Flowers, anonymous.

Magazines from Mrs. Ward.

Through the kindness of Dr. John Dixwell, the house patients were treated to a musical entertainment on December 14, 1904.

Through the kindness and generosity of the following persons, we were enabled to have a large Christmas tree, with presents for over two hundred patients and employees : —

Mr. Augustus Hemenway, Mr. and Mrs. Charles P. Curtis, Mr. George P. Gardner, Mr. Henry Parkman, Mr. Charles Lowell, Mr. Francis L. Higginson, Mr. William D. Sohier, Mr. William H. Seabury, Mr. Robert Homans, Mr. William S. Spaulding, Mr. Eben S. Draper, Dr. George B. Shattuck, Mr. William C. Endicott, Mr. Russell G. Fessenden, Mr. Harvey Clap, Mr. and Mrs. Frank A. Day, Mrs. C. P. Curtis, Jr., Mr. Howard W. Morse, Episcopal City Mission, Congregational Church, Laconia, N.H., Mr. Marshall Johnson, Mr. English, Mr. Leonard B. Chandler.

EIGHTY-FIRST

ANNUAL REPORT

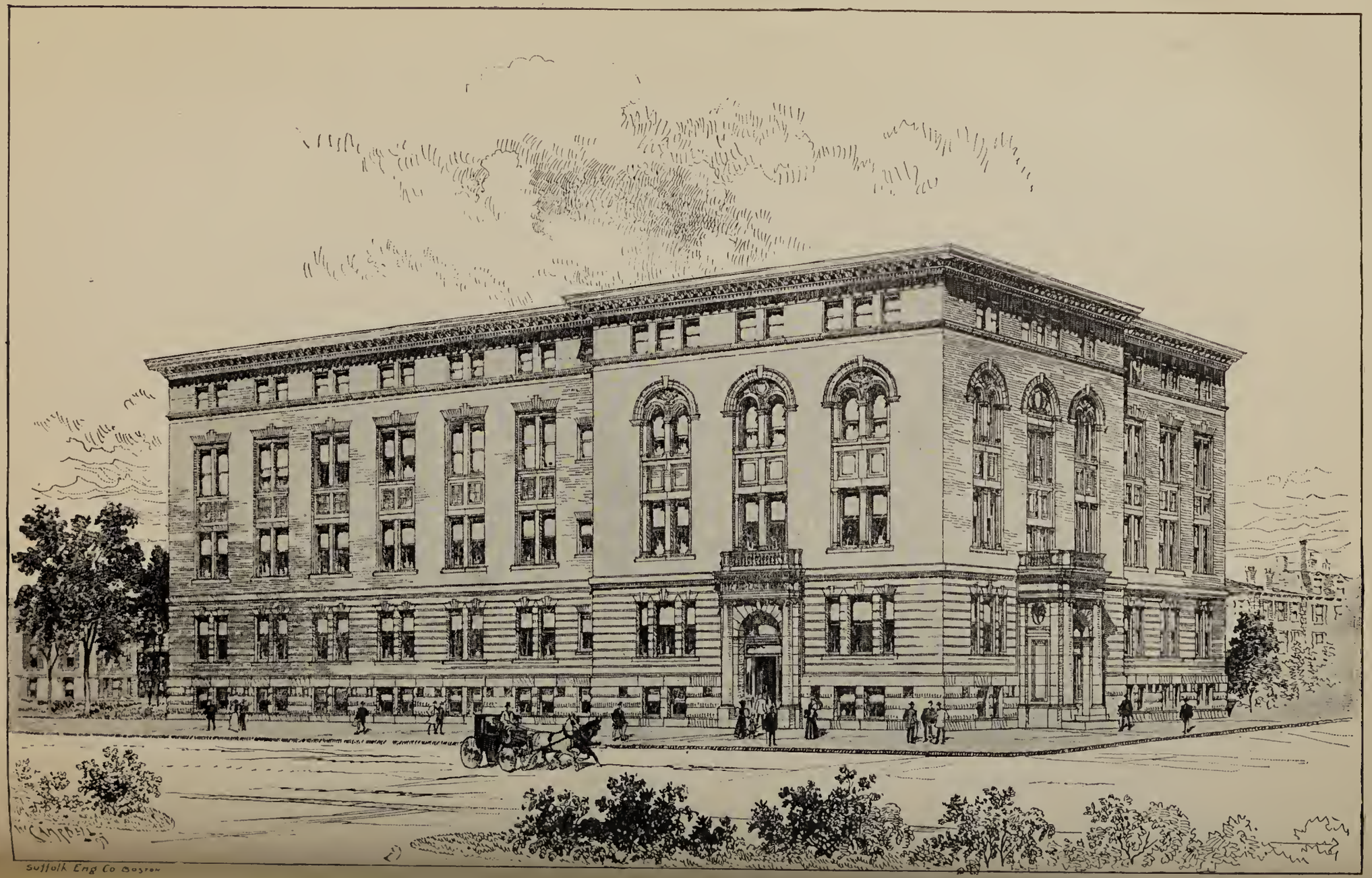
OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1906.


Suffolk Eng Co Boston

EIGHTY-FIRST

ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1906.

JAMES M. KENNEDY,
PRINTER,
56 Summer Street,
Boston,
1907.

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1906-1907.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

*WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

ROBERT HOMANS.
May 1, 1900.

WILLIAM S. SPAULDING.
Feb. 4, 1902.

DR. GEORGE B. SHATTUCK.
Oct. 30, 1902.

WILLIAM C. ENDICOTT.
Feb. 3, 1903.

RUSSELL G. FESSENDEN.
Feb. 3, 1903.

HERBERT M. SEARS.
Dec. 20, 1905.

CHARLES P. CURTIS.
Feb. 5, 1907.

ROBERT H. STEVENSON, JR.
Feb. 5, 1907.

*JOHN LAWRENCE.
Feb. 5, 1907.

President.

DR. GEORGE B. SHATTUCK.

Secretary.

ROBERT HOMANS, 1035 EXCHANGE BUILDING, 53 STATE STREET, BOSTON.

Treasurer.

HENRY PARKMAN, 53 STATE STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. WILLIAM H. SEABURY.
HERBERT M. SEARS.

Finance Committee.

WILLIAM S. SPAULDING. WILLIAM C. ENDICOTT.
RUSSELL G. FESSENDEN.

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* Appointed by the Commonwealth.

Visiting Committees.

January,	Mr. SEABURY,	July,	Mr. PARKMAN,
	Mr. HEMENWAY.		Mr. STEVENSON.
February,	Mr. HEMENWAY,	August,	Mr. STEVENSON,
	Dr. SHATTUCK.		Mr. CURTIS.
March,	Dr. SHATTUCK,	September,	Mr. CURTIS,
	Mr. SPAULDING.		Mr. FESSENDEN.
April,	Mr. SPAULDING,	October,	Mr. FESSENDEN,
	Mr. HOMANS.		Mr. ENDICOTT.
May,	Mr. HOMANS,	November,	Mr. ENDICOTT,
	Mr. SEARS.		Mr. GARDNER.
June,	Mr. SEARS,	December,	Mr. GARDNER,
	Mr. PARKMAN.		Mr. SEABURY.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M.D.
HENRY L. SHAW, M.D.
SAMUEL J. MIXTER, M.D.
HENRY W. BRADFORD, M.D.
B. JOY JEFFRIES, M.D.
J. ORNE GREEN, M.D.
CLARENCE J. BLAKE M.D.
OLIVER F. WADSWORTH, M.D.
LINCOLN DAVIS, M.D.

Ophthalmic Surgeons.

H. BECKLES CHANDLER, M.D.
MYLES STANDISH, M.D.
FREDERICK E. CHENEY, M.D.
EDWIN E. JACK, M.D.
ALEXANDER QUACKENBOSS, M.D.
HENRY H. HASKELL, M.D.

Aural Surgeons.

FREDERICK L. JACK, M.D.
EDWARD M. PLUMMER, M.D.
EUGENE A. CROCKETT, M.D.
PHILIP HAMMOND, M.D.

Assistant Ophthalmic Surgeons.

EDMUND W. CLAP, M.D.
FRED M. SPALDING, M.D.
A. GARDNER MORSE, M.D.
LEON W. MANSUR, M.D.
ELWOOD T. EASTON, M.D.
FREDERICK H. VERHOEFF, M.D.

Assistant Aural Surgeons.

GEORGE A. WEBSTER, M.D
WALTER A. LECOMPTE, M.D.
D. HAROLD WALKER, M.D.
HARRIS P. MOSHER, M.D.

Ophthalmic Clinical Assistants.

CHARLES D. JONES, M.D.
ROBERT G. LORING, M.D.
PATRICK F. KELLEHER, M.D.
HARRY C. PARKER, M.D.
PETER H. THOMPSON, M.D.
SAMUEL J. McDONALD, M.D.
GEORGE S. DERBY, M.D.
WILLIAM MADDEN, M.D.
W. HOLBROOK LOWELL, M.D.
GEORGE H. RYDER, M.D.
EDWARD K. ELLIS, M.D.
P. SOMERS SMYTH, M.D.
STANISLAS MARTEL, M.D.
MINOT F. DAVIS, M.D.

Aural Clinical Assistants.

ALFRED M. AMADON, M.D.
WILLIAM F. KNOWLES, M.D.
GEORGE H. POWERS, Jr., M.D.
GEORGE L. TOBEY, Jr., M.D.
FRANCIS P. EMERSON, M.D.
BERTRAM H. CASWELL, M.D.

Pathologist.

FREDERICK H. VERHOEFF, M.D.

Consulting Neurologist to Aural Department.

JAMES J. PUTNAM, M.D.

Consulting Physicians.

WILLIAM H. SMITH, M.D. WILDER TILESTON, M.D.

HOUSE STAFF.

Ophthalmic House Surgeons.

CARL FISHER, M.D. HENRY G. LANGWORTHY, M.D.

Ophthalmic Externe.

EDWARD D. HURLEY, M.D.

Aural House Surgeons.

DANA W. DRURY, M.D. CALVIN B. FAUNCE, M.D.

Aural Externe.

TIMOTHY J. SHANAHAN, M.D.

EXECUTIVE OFFICERS.

Superintendent.

FARRAR COBB, M.D.

Matron and Superintendent of Nurses.

MARY COONAHAN.

Apothecary.

HOWARD W. MORSE.

Assistant to the Superintendent.

JOHN G. SCHROEDER.

Assistant Matron.

FLORA L. PYKE.

Supervisor.

MITCHELL A. DEARBORN.

Opticians.

ANDREW J. LLOYD COMPANY.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The Managers herewith present their annual report for the year ending September 30, 1906.

The new building was dedicated March 11, 1899. Since that date the number of patients treated in the wards is as follows:—

In 1899, 1827.	In 1900, 2180.
In 1901, 2490.	In 1902, 2338.
In 1903, 2523.	In 1904, 2815.
In 1905, 2902.	In 1906, 2916.

During the last year, of the 2916 house patients treated, 268 were treated in the Gardner Building for contagious diseases, and of the total number of patients treated in the hospital 1996 were children under fourteen years of age. The daily average ward patients was 137, or 2 more than the year 1905. For want of room, 654 patients were refused admission, of which number, however, 527 were later admitted.

The number of days' board furnished to ward patients amounted to 48,953, of which 18,985 were for paying patients and 29,968 were for free patients.

The number of cases in the out-patient department was

somewhat less than the year 1905 — the number of new patients was 31,566, or 851 less than in the previous year.

This is accounted for from the fact that the Trustees have adopted a rigid system of investigating all new cases which come to the Hospital for treatment, and that they now collect a small registration fee from all new patients. There can be little doubt that this new system has been the cause of the slight falling off in attendance. This system of investigation has been very successful, as is shown from the fact that during the past year 1703 patients were refused treatment as individuals unfit for charity.

Nearly all the repairs and improvements asked for by Dr. Cobb in his last annual report have been made, and in addition thereto certain other repairs and changes were made which had become a necessity.

The death of Charles Lowell, Esq., who was appointed a manager on October 25, 1894, is a great loss to the institution. At a meeting of the Board of Managers held on August 7, 1906, the following resolution was unanimously adopted: —

"Resolved: That by the death of Charles Lowell, the Board has sustained a heavy loss. His interest in and care for the Infirmary, and his services on the executive and finance committees of the Board of Managers, during the many years of his service as a Manager, were of great benefit to the institution. The Infirmary was constantly in his thoughts, and what he did for it was done wisely and well. He will be missed by all of its officers, and by the members of this Board with sincere personal sorrow."

On December 20, 1905, Herbert Mason Sears, Esq., was appointed a member of the Board of Managers in place of Francis Lee Higginson, Jr., Esq., resigned. The Hon. Eben S. Draper has resigned as a member of the Board appointed by the Commonwealth, and with the death of Charles Lowell, Esq., there are at present two

vacancies upon the Board, one to be filled by the Commonwealth, and the other by the Board of Managers.

The problem of running the Infirmary is becoming more and more difficult each year. As has been stated in previous reports the Managers are confronted with the choice of two alternatives, either the work done by the Infirmary must be curtailed so that the expenditures in each year shall not exceed the receipts, or else the Managers must draw upon the invested funds of the Infirmary to make up the yearly deficit.

For several years the gifts and legacies have been greater than the deficit: —

	Gifts.	Legacies.
1898–1899	$3,335 00	
1899–1900	1,750 00	$106,148 93
1900–1901	315 00	11,364 76
1901–1902	125 00	60,850 00
1902–1903	625 00	19,933 24
1903–1904	125 00	36,500 00
1904–1905	26 00	23,566 66
1905–1906	105 00	2,000 00
	$6,406 00	$206,363 59

Instead of increasing the invested funds of the Infirmary by adding these legacies entirely to the capital fund of the Infirmary a portion of this money, unless restricted in the terms of the gift, has been spent in yearly running expenses. This policy has been unavoidable thus far, but the time would appear to have come when it is a fact established beyond doubt that it is impossible to live within the income unless the work of the Infirmary is curtailed. The sale of the old Infirmary on Charles street would assist somewhat — but the income from the funds invested from the sale of that building would not have met the deficit as shown in any of the last eight years — this notwithstanding the fact that in 1902–1903 the state liberally

increased its gift from $25,000 to $30,000 per annum, and has continued the same payment each year since that time.

The following figures will show the excess of expenditures over receipts since the year 1899, when the new Hospital was first occupied: —

1898–1899	$7,375 70
1899–1900	20,517 59
1900–1901	10,434 23
1901–1902	20,633 86
1902–1903	12,514 38
1903–1904	8,382 61
1904–1905	12,354 50
1905–1906	17,566 05
	$119,778 92

During the last year the gifts and legacies to the Infirmary have been extremely small. It will be necessary for the treasurer to sell enough securities belonging to the Infirmary to cover the deficit for the year 1905–1906, which, as stated above, amounts to $17,566.05, less $2105, the amount received from gifts and legacies.

The Managers desire to acknowledge the following gifts and legacies received during the last year: —

Gift of George Dexter	$100 00
Gift of Mrs. Charles S. Sargent	5 00
From estate of Emily Warren Appleton	2,000 00

Through the liberality of William S. Spaulding, Esq., one of the Managers, an electric dumb waiter was installed in the Infirmary, and has proved of great assistance in the service of the wards.

WILLIAM C. ENDICOTT,
HERBERT M. SEARS,
Committee of the Board of Managers.

September 30, 1906.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

INCOME, RECEIPTS AND DISBURSEMENTS

FOR THE YEAR ENDING SEPT. 30, 1906.

INCOME.

RECEIPTS:			
Income from investments			$16,296 75
Appropriation from State			30,000 00
Rebate of bank tax			65 97
Gifts for running expenses			105 00
Income from trustees, will E. V. Ashton			1,600 00
Income from estate Robert Brigham			1,000 00
From Superintendent, as per his report:			
Board of patients	$6,216 57		
Opticians' account	4,734 77		
Medicines	9,244 65		
Registration fee	2,474 95		
Sundries	324 68		
		22,995 62	
			$72,063 34
Excess of expenditures over receipts			17,566 05
			$89,629 39

EXPENDITURES.

Running expenses, per account of Superintendent			$86,710 58
Additional expenses, per account of Treasurer:			
Accrued interest on bonds purchased	$116 71		
Insurance	194 40		
Printing	261 50		
Sundries	260 10		
Estate, 15 Warren avenue, Somerville	12 50		
Taxes city of Boston "Old Infirmary"	2,073 60		
		2,918 81	
			$89,629 39

REPORT OF THE SUPERINTENDENT.

For the Year ending September 30, 1906.

To the Board of Managers:

Gentlemen: — You have before you reports covering the work of all departments, as well as the details of the receipts and expenditures for the year. I submit to you also the following concise statement of what seems to me most important: —

The total number of house patients was 2916, or 14 more than 1905. Of this number 268 were treated in the Gardner Building for contagious diseases. Of the total number of patients treated in the hospital 1196 were children under fourteen years of age. The daily average of ward patients was 137, or 2 more than in the previous year. During the year 654 patients were refused admission for want of room, but of this number 527 were admitted later. 48,953 days' board was furnished to ward patients, of which 18,985 were for paying patients, and 29,968 were for free patients.

It is interesting to note that the number of new and old cases in the out-patient departments was somewhat less than in 1905. The number of new patients was 31,566, or 851 less than in the previous year. There is little doubt but that the rigid system of questioning every case applying for treatment, as well as collecting a registration fee from all new patients, has been the cause of this slight

falling off in attendance. This system of investigation of cases has been carried out very successfully. During the year 1703 patients were refused treatment as individuals unfit for charity.

In my report to your board at the last annual meeting your attention was called to the need of a number of improvements and repairs throughout the buildings and to the need of increased receipts for running expenses. During the year just closed nearly all of the repairs and improvements asked for in my last report have been made, and in addition certain other repairs and changes which became necessary.

The food-serving rooms in the main building have been thoroughly renovated with tiled walls, new flooring, and plumbing.

The iron work of the main stairway has been strengthened and the stairway supplied with stone treads and platforms.

A nurses' sitting room and library has been furnished and supplied with books.

A new body ironing machine has been installed in the laundry.

The buildings throughout have been equipped with new window shades and new awnings.

New oak settees have been provided for the aural out-patient waiting room.

$360.55 has been spent in partial payment for construction work in the installing of the electric dumb waiter so kindly given by Mr. Spaulding.

Electric illuminating apparatus has been provided for each surgeon's table in the aural out-patient clinic.

Extensive repairs to the floors of many of the basement rooms, including the officers' dining room and the optical salesroom, have been made. These were necessitated by the settling of the building.

Fifty new bedside tables have been provided for the wards.

In all probability during the present year there can be little need for such extraordinary expenditures.

The increased receipts from the out-patient department charges amounted to $5830.65.

The increase in wages during the past year has been partly due to the extra clerical help in the investigation bureau in the out-patient department, but also due to the necessity of paying increased wages to domestic servants and to nurses.

It gives me much pleasure to report that the buildings are in good condition, and that to the best of my knowledge, the work in all of the departments has been well done.

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 2916, which is 14 more than last year.

Of the 2916 house patients, 1781 were males and 1135 were females.

Number of patients treated in Ophthalmic wards	1,611
Number of patients treated in Aural wards .	1,305

Of this number 268 were treated in the Gardner Building for contagious diseases. One hundred and seventeen of these were infants under one and one half years. A report on the special work in the Gardner Building follows later. The daily average number of patients treated in this building was 18.

Of the total number of patients treated in the wards, 1196 were children under fourteen years of age.

The daily average number of patients treated in the wards was 137, or 2 more than last year.

The largest number of house patients treated on any one day was 157, the smallest number 91.

Number of free patients admitted . . . 1,483
Paying patients at $6.00 per week . . . 691
Paying patients at less than $6.00 per week . 610
Patients remaining in wards Sept. 30, 1905 . 132

The average rate paid per week per pay patient was $4.19.

The average stay per patient in the hospital under treatment was 16 days.

During the year 654 patients were refused admission for want of accommodation. Of this number 527 were subsequently admitted.

48,953 days' board was furnished to patients. 18,985 days were paid, and 29,968 were free.

RESIDENCES OF HOUSE PATIENTS.

Boston	1,021	Canada	1
Mass. (excepting Boston)	1,772	England	2
Maine	12	Ireland	1
New Hampshire	73	Italy	2
Vermont	5	Russia	8
Rhode Island	9		2,916
Connecticut	5		
Other states	5		

OCCUPATIONS OF HOUSE PATIENTS.

Males.

Actor	1	Coachmen and hostlers	9
Agents	4	Electrotyper	1
Artist	1	Electricians	4
Baker	1	Engineers	13
Barbers	8	Engraver	1
Blacksmiths	21	Farmers	28
Bookbinder	1	Firemen	14
Bookkeepers	4	Gardeners	7
Butchers	2	Janitors	6
Carpenters and woodworkers	46	Laborers	233
Clerks	24	Letter carriers	4
Clergymen	3	Masons	11
Cooks	5	Machinists	49

Metal workers and moulders	45	Soldiers	2
Mill and factory operatives	129	Stonecutters	43
Musicians	3	Storekeepers	6
Painters and glaziers	15	Students	11
Pedlers	16	Tailors	14
Porters	12	Teachers	2
Policemen	2	Teamsters	47
Physicians	2	Upholsterer	1
Plumbers and steamfitters	8	Waiters	10
Printers and compositors	7	Watchmen	7
Railroad employees	30	Veterinary surgeon	1
Roofers	2	Unclassified	3
Salesmen	10	No occupation	22
Seamen and fishermen	12	Minors	790
Shippers	5		1,781
Shoemakers	23		

FEMALES.

Agent	1	Nurses	8
Bookkeepers	4	Saleswomen	2
Clerks	8	Stenographers	2
Domestics	88	Teachers	3
Dressmakers and seamstresses	14	Telephone operators	2
Housewives	303	Waitresses	7
Lodging-house keeper	1	Minors	651
Mill and factory operatives	40	No occupation	1
			1,135

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

2,088 were well.
471 were relieved.
73 were not relieved.
88 left against advice.
21 were not treated.
37 died.
3 eloped.
29 were transferred to other hospitals for other diseases.
106 remaining in hospital, September 30, 1906.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 912 operations performed in the house, and 2,619 in the out-patient department.

In the Aural Departments there were 1,219 operations performed in the house, and 1,231 in the out-patient department.

SPECIAL REPORT ON THE WORK OF THE GARDNER BUILDING.

During the past year 200 patients were treated in the special wards of the Gardner Building. Of these there were 123 cases of gonorrhoeal ophthalmia, 28 occurring in adults, 13 in children, and 82 in infants soon after birth. There were 46 cases of purulent ophthalmia, non-gonorrhoeal; 8 of these were in adults, 8 in children, and 30 in infants. At the time of entrance the cornea was involved in 26 of the gonorrhoeal cases, of which 10 were in adults, 3 in children, and 13 in infants. The cornea was involved in but 4 cases after admission; 3 of these were in adults and 1 in an infant.

Saemisch's operation was performed but once, then being in an adult.

Two cases of specific iritis with concomitant lesions of the disease were treated.

There were also treated 7 cases of trachomatous conjunctivitis, 1 case of membranous conjunctivitis, 8 cases of phlyctenular conjunctivitis, and 1 orbital abscess.

Forty patients were transferred to the Gardner Building for measles, scarlet fever, chicken-pox, whooping cough, erysipelas, and other infectious diseases which manifested themselves soon after admission to the hospital.

OUT-PATIENT DEPARTMENT.

New patients treated: —			
Ophthalmic:	Males . . .	12,419	
	Females . . .	10,934	
			23,353
Aural:	Males	4,675	
	Females	3,538	
			8,213
Total			31,566
Number of old patients treated in the Out-Patient Department was: —			
Ophthalmic		28,503	
Aural		25,546	
			54,049
Total visits in Out-Patient Department,			85,615

RESIDENCES OF OUT-PATIENTS.

Boston	15,812	Other states	15
Mass. (excepting Boston)	15,439	British Provinces . . .	16
Maine	45	England	1
New Hampshire . . .	176	Ireland	1
Vermont	21	Italy	3
Rhode Island . . .	19	Russia	6
Connecticut	12		31,566

OCCUPATIONS OF OUT-PATIENTS.

Actor	1	Mill and factory operatives	3,162
Agents	141	Moulders	30
Artists	4	Musicians	32
Bakers	61	Nurses	145
Barbers	135	Painters	220
Blacksmiths	159	Pedlers	176
Bookbinders	62	Pensioners	17
Bookkeepers	124	Photographers	21
Butchers	66	Physicians and dentists	16
Carpenters and woodworkers	567	Plumbers, steam and gas-fitters	168
Clerks	1,325	Policemen and letter carriers	76
Clergymen	25	Railroad employees	170
Coachmen and hostlers	119	Soldiers	101
Compositors and printers	147	Seamstresses	519
Domestics	1,879	Shoemakers	345
Electricians	95	Stenographers	144
Engineers	149	Stonecutters	215
Engravers	20	Storekeepers	180
Farmers	161	Students	145
Firemen	170	Tailors	455
Fishermen and seamen	115	Teachers	70
Hotel and lodging-house keepers	31	Teamsters	512
Housewives	4,929	Telephone and telegraph operators	116
Laborers	2,492	Waiters	267
Machinists	807	Unclassified	1,155
Masons	93	Minors	9,167
Messengers	27		
Milliners	38	Total	31,566

EXPENDITURES FOR 1906.

The total expenditure by the Superintendent has been $86,710.58, which is itemized as follows: —

Provisions		$15,598 04
Meat, fish, and poultry	$5,485 46	
Fruit and vegetables	2,032 03	
Bread and flour	888 85	
Milk	2,315 29	
Groceries	2,825 08	
Butter and eggs	2,051 33	
Wines, liquors, and alcohol		255 88
Water rates		1,519 20
Soap		464 01
Gas		328 11
Ice		894 75
Heat, light, and power.		8,923 20
Fuel (kitchen)		495 60
Medicines and dispensary		4,471 49
Furniture		2,114 30
Stationery and printing		1,133 55
Wages		30,768 45
Officers (Superintendent, Pathologist, Matron, Assistant Matron, Druggist)	6,165 33	
Clerks (Office, out-patient department, and telephone)	3,658 00	
Engineers	1,020 00	
Carpenter and painters	1,473 00	
Laboratory assistant	440 00	
Ward masters, orderlies, and porters	5,428 72	
Apothecary assistant	558 43	
Elevator man	200 00	
Head and operating-room nurses	2,854 35	
Post-graduate nurses	352 00	
Special nurses	159 13	
Attendant nurses	3,209 50	
Housekeeper	105 00	
Kitchen and dining-room employees	1,839 61	
Laundresses	1,470 98	
Ward maids	634 79	
General women	942 62	
Seamstress	256 99	

Optical and surgical instruments and repairs		$1,615 82
Repairs and improvements		7,577 78
Plumbing	$343 75	
Laundry and new machinery	229 60	
Steam plant	698 31	
Electric plant	309 16	
Carpentering	1,238 80	
Painting and glazing	1,077 81	
Kitchen cooking apparatus	136 51	
House cleaning	103 73	
Elevator	121 53	
Grounds	54 54	
Dumb waiter (old)	101 00	
Electric dumb waiter (new)	360 55	
Electric floor stands, ear rooms out-patient department	141 90	
Signs	15 85	
Glass table tops	135 06	
Slate table tops, operating rooms	63 50	
Changes in diet kitchens	1,648 95	
Changes in nurses' library	112 20	
Changes in main stairway	486 73	
Ward floors	183 30	
Roofing on Gardner building	15 00	
Furnishings and supplies		8,725 34
Kitchen and dining rooms	196 26	
Linen room	829 34	
Surgical supplies	5,103 25	
Laundry supplies	120 89	
Steam-plant supplies	28 47	
Bacteriological laboratory supplies	96 22	
Disinfectant	187 50	
General supplies	1,236 21	
Uniforms:		
Doctors	130 50	
Orderlies	207 20	
Patients	589 50	
Contingent and sundries		1,825 06
Sundries and training school	320 31	
Surgeons' library	10 35	
Nurses' library	194 16	
Postage and express	166 81	
Telephone	456 85	
Laboratory	149 25	
Advertising	26 00	

Office expense	$145 55
Grounds	105 00
Entertainment American Medical Association	250 78

The value of stock on hand October 1, 1906, was: —

House and surgical supplies	$4,825 58	
Drugs and medicines	1,961 10	
Provisions	552 37	
	$7,339 05	
The value of stock on hand October 1, 1906, was		$7,339 05
The value of stock on hand October 1, 1905, was		6,557 64
		$781 41

Deducting the difference in value of the stock on hand October 1, 1906, $781.41, and October 1, 1905, gives the cost of maintenance per house patient per week as $12.04, or 49 cents a week less than in 1905. The cost of maintenance per inmate, per week, was $7.26. The cost of uncooked food supplies for all persons, including patients and the entire household at the hospital, was $15,598.04.

The daily average number of patients was 137; of officers and employees, including house and nursing staff, 90, or a total daily average of 227 persons. The number of weeks' board of all persons was 11,836, and the weekly cost per person for uncooked food supplies was $1.32, or 18.82 cents per day.

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

During the past year eighty-five lectures and classes were given by the Surgical Staff, the House Staff, and the Superintendent of Nurses. The subjects covered were the Anatomy and Physiology of the Eye and Ear, Clinical Diseases and Surgery of the same, Refraction, Aural and Ophthalmic Nursing, and special nursing of Brain Abscess, and the Ear in Art and History. Eight lectures were given on the Hospital Formulary. Special and individual instruction was given in sterilizing, etherizing, operating-room technique, and the preparation of infants' food.

The number of post-graduate nurses taking the course was twelve. Seven graduates received the diploma of the school. Twenty-four applications for the course were received during the year.

In addition to the regular special training, instruction in hospital management has been inaugurated. The practical details of the duties of an executive nurse in charge of a floor or ward have been taught by the permanent head nurses. The opportunity to teach pupil nurses in class and a number of lectures on hospital organization, management, buying, etc., have been given.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-Patient Departments from September 30, 1897, to October 1, 1906, showing the yearly increase in the number of patients treated in each department; also the total number of patients treated in both departments during the past ten years:—

	House Patients Ophthalmic.	House Patients Aural.	Out-Patients Ophthalmic.	Out-Patients Aural.	Total.
1897	950	314	16,217	5,377	22,858
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
1902	1,483	750	22,839	7,180	32,252
1903	1,548	975	23,614	7,876	34,013
1904	1,546	1,269	23,943	8,782	35,540
1905	1,651	1,251	23,498	8,919	35,319
1906	1,611	1,305	23,353	8,213	34,482
Totals . .	14,313	8,145	207,884	72,103	302,445

A total of 302,445 new patients treated in the Out-Patient Department. As these patients made an average of three visits, it brings the total number of visits of patients to 907,335.

Respectfully submitted,

FARRAR COBB, M.D.,

Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen: The Board of Surgeons herewith transmit to you the statistical report of the medical work of this institution for the year ending September 30, 1906.

We desire to respectfully call your attention to the fact that there has been an increase of nearly 34 per cent over the number of aural house patients in the year 1903. This has necessitated the placing of many aural patients in the ophthalmic wards, and the enforced exclusion of ophthalmic patients suffering from acute and painful affections, with resulting postponement of relief from suffering to these individuals, and only too often a subsequent diminution of vision. These aural cases are largely of a class where operation is imperative for the protection of life, and cannot easily be refused admission. It is evident that more beds must soon be added, or the ophthalmic department will be unable to give that prompt relief to the suffering poor that it has always heretofore been able to afford.

In the out-patient department the efforts of the administration to exclude unfit cases has worked smoothly and to a large measure successfully. The result has been a slight diminution in the number of applicants, and the Board of Surgeons feel sure that when it becomes generally known that an investigation is made as to the pecuniary position of all applicants, there will be a still greater decrease in

the out-patient clinic, to the great advantage of those sufferers whom necessity brings to our door.

The administration has been active and efficient, and the Board of Surgeons offers its grateful appreciation to the officers of the institution.

For the Full Board of Surgeons,
MYLES STANDISH,
EDWARD M. PLUMMER.

October 22, 1906.

REPORT OF THE PATHOLOGICAL LABORATORY.

To the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen: During the past year the regular work of the laboratory has been conducted as heretofore. In connection with the research work the investigation of antiseptics, with special reference to those used in ophthalmology and otology, has been continued, and a number of observations have been made which are believed to be of considerable importance. At the recent meeting of the American Medical Association in Boston, an exhibit was given of specimens and photographs illustrating the work of the laboratory. By invitation of the ophthalmic section of the British Medical Association the results of an investigation into the causation of obstruction of the central retinal vein was presented at the Toronto meeting. The attention of the Board of Managers is again called to the need of a modern photo-micrographic apparatus.

Publications:

"Sodium Aurate: A non-irritating local antiseptic of remarkable power." — F. H. Verhoeff, *Journal American Medical Association*, 1906.

"A further note on the Antiseptic Properties of Sodium Aurate." — F. H. Verhoeff, *ibid.*

"An Experimental Study on the Bactericidal Power of

Various Silver Preparations." — G. S. Derby, *American Ophthalmological Transactions*, 1906.

"Multiple Myeloma with Involvement of the Orbit." — A. Quackenboss. Pathological report by F. H. Verhoeff, *Journal of Medical Research*, 1906.

"Microphthalmos with Extra-Ocular Cyst." — A. Quackenboss. Pathological report by F. H. Verhoeff, *American Ophthalmological Transactions*, 1906.

FREDERICK H. VERHOEFF,
Pathologist.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Conjunctiva.

Conjunctivitis:	
acute	6
Gonorrhoeal:	
in adults	28
in children	13
in infants	82
Membranous	1
Purulent:	
in adults	8
in children	8
in infants	30
Trachomatous	22
with pannus	8
vernal catarrh	3
Pterygium	2
Symblepharon	6
Tumor:	
Epithelioma	2
Total	219

Cornea.

Abscess	3
Ectasia	2
Keratitis:	
dendritic	5
interstitial	24
marginal	3
phlyctenular	67
serpiginous	3
superficial	8
traumatic	7
ulcerative	83
with hypopyon	68
with perforation	1
vascular	6
Kerato-iritis	7
Kerato-scleritis	2
Leucoma	23
adherent	2
inflamed	7
partial	1
Staphyloma	8
Tumor	1
epithelioma	2
Total	333

Glaucoma.

Absolute	2
Acute	13
Chronic	17
Secondary	8
Simplex	2
Total	42

Globe and Orbit.

Abscess of orbit	4
of brow	3
Contracted orbit	3
Cyst of brow	3
Disorganized globe	25
Exophthalmos	2
Herpes zoster ophthalmicus	4
Microphthalmos	1
Panophthalmitis	10
Phthisis bulbi	18
Retro-bulbar sarcoma	1
Sympathetic ophthalmia	3

Tumors:	
epithelioma of orbit	5
Total	82

Injuries.

Burns:	
conjunctiva	4
conjunctiva and cornea	12
conjunctiva and lids	6
cornea and lids	4
Non-penetrating:	
cornea	5
globe	2
with dislocated lens	1
with hyphaemia	17
with iridodialysis	3
lids	3
Penetrating:	
cornea	39
with foreign body	6
with prolapsed iris	17
corneo-ciliary region	12
cornea and iris	12
cornea and lens	22
with foreign body	5
lid	7
lid and sclera	2
sclero-corneal region	12
sclera	8
with foreign body	6
Total	205

Iris, Choroid, and Ciliary Body.

Blocked pupil	14
Choroido-retinitis	2
Chronic choroiditis	1
Iritic adhesions	2
Iritis:	
gonorrhoeal	1
with hypopyon	1
rheumatic	10
simple	27
specific	26
traumatic	3
Irido-cyclitis	7
Sarcoma of choroid	2
Suppurative choroiditis	1
Uveitis	3
Total	100

Lachrymal Apparatus.

Abcess	10
Dacryo-cystitis:	
acute	2
chronic	19
chronic with fistula	2
Lachrymal obstruction	4
Ulcer of sac (specific)	1
Total	38

Lens.

Cataract:	
capsular	57
congenital	23
hypermature	14
immature	27
mature	191
presenile	2
traumatic	32
zonular	1
Dislocated lens:	
into anterior chamber	4
into vitreous	1
Total	352

Lids.

Abscess	7
Carcinoma	2
Chalazion	1
Congenital ptosis	1
Cyst	2
Ectropion	2
Eczema	1
Emphysema	3
Entropion	23
Epithelioma	4
Trichiasis	5
Total	51

Miscellaneous.	
Amaurotic family idiocy	1
Chronic ethmoiditis	1
Chronic frontal sinusitis with ethmoiditis	2
Erysipelas (facial)	3
Erythema simplex	1
Hysterical amaurosis	2
Migraine	3
Paralysis of 7th and 3d nerve	1
Total	14

Muscular Affections.	
Esophoria	2
Strabismus:	
convergent	39
divergent	12
Paralysis of third nerve	2
Total	55

Optic Nerve.	
Optic atrophy	4
Neuritis:	
optic	3
retro-bulbar	1
Neuro-retinitis	1
Amblyopia, toxic	5
Total	14

Retina.	
Retinitis	2
Separated retina	9
Thrombosis central artery	1
Glioma	2
Total	14

Summary.	
Conjunctiva	219
Cornea	333
Glaucoma	42
Globe and orbit	82
Injuries	205
Iris, choroid, and ciliary body	100
Lachrymal abscess	38
Lens	352
Lids	51
Miscellaneous	14
Muscular affections	55
Optic nerve	14
Retina	14
Total	1,519

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

Conjunctiva.

Plastic	2
Stripping	8
Symblepharon	1
Tumor excised	2
Total	13

Cornea.

Corneal growth	1
Paracentesis	10
Powder grains removed	2
Saemisch	31
Scrubbing	10
Staphyloma (ant.)	2
Total	56

Enucleations.

Disorganized globe	29
Foreign body	2
Glaucoma	7
Glioma	2
Injury	25
Panophthalmitis	5
Phthisis bulbi	17
Staphyloma	3
Sympathetic ophthalmia	2
Tumor of globe	1
Total	93

Evisceration.

Simple	3
insertion paraffin ball	1
insertion glass ball	1
Total	5

Iris.

Iridectomy	20
glaucoma	23
optical	19
posterior synechiae	1
preliminary to cataract	1
Iridotomy	5
Prolapsed iris	14
cauterized	1
replaced	3
Total	87

Lachrymal Apparatus.

Abscess evacuated	8
Canaliculus cauterized	1
Curetting sac	1
Extirpation of sac	22
Probing duct	4
Total	36

Lids.

Abscess evacuated	3
Ankyloblepharon plastic	6
Chalazion excised	3
Ectropion	4
Electrolysis	6
Entropion	13
Green's operation	12
Pfalz modified	2
Snellen	1
Plastic	1
Ptosis :	
Panas modified	2
Tumor excised	4
Wound sutured	6
Total	63

Miscellaneous.

Abscess of brow	1
Adenectomy	4
Bubo excised	1

Cervical adenitis	1
Cyst of brow	6
Foreign body in ant. chamber	2
Killian operation	2
Magnet test	17
removal of intra-ocular steel	32
Removal powder grains in face	5
Tonsillotomy	2
Tracheotomy	1
Total	74
Total number of operations	912

Muscles.

Advancement:	
External rectus	25
Todd's Tuck	1
Internal rectus	10
Tenotomy:	
external rectus	7
internal rectus	34
superior rectus	1
Total	78

Orbit.

Abscess evacuated	2
Cyst of orbit excised	2
Division of cicatrix	2
Exenteration with skin-graft	3
Incision, exploratory	2
Thiersch graft	2
Tumor excised	5
Total	18

Sclera.

Papilloma excised	1
Sclerotomy	6
Total	7

Lens.

Capsulotomy	83
Cataract:	
couching	2
Discission	78
extraction in capsule	3
extraction in capsule with iridectomy	22
extraction, simple	23
extraction with button-hole of iris	39
extraction with iridectomy	114
extraction with scoop	5
suction	13
Total	382

OUT-PATIENTS.

Abscess, brow	7
cheek	2
lachrymal	22
lid	2
Cyst, conjunctiva	2
lid	8
Chalazion	185
Electrolysis	10
Epithelioma	1
Foreign body, conjunctiva	83
cornea	2,026
cul-de-sac	19
lid	153
sclera	3
Granulation, tissue	4
Hordeolum	39
Lymphangiectasis	1
Milium	3
Papilloma	2
Plastic	1
Pterygium	42
Verruca	2
Xanthalasma	2
Total	2,619

OPHTHALMIC OUT-PATIENT DEPARTMENT.

DISEASES OF OUT-PATIENTS.

Accommodation and Refraction.

Astigmatism	4,135
Emmetropia	23
Hypermetropia	5,527
Myopia	1,214
Paralysis of accommodation	10
Presbyopia	1,954
Total	12,863

Conjunctiva.

Conjunctiva, burn of	162
chemosis	13
cyst of	7
ecchymosis of	176
epithelioma of	1
foreign body in	266
hyperaemia of	15
laceration of	17
lymphangiectasis	7
tumors (unclassified)	3
Conjunctivitis, acute catarrhal	1,933
chronic catarrhal	1,202
follicular	44
gonorrhoeal	139
trachomatous	123
with pannus	52
muco-purulent	122
Parinaud's	2
traumatic	175
pinguecula	37
petrygium	125
Total	4,621

Cornea and Sclera.

Cornea, abrasion of	189
abscess of	3
blebs of	4
burn of	58
cyst of	2
foreign body in	2,087
infiltration of	81
injury of	96
opacities of	31
leucoma of	184
adherent	24
inflamed	46
maculae of	103
nebulae of	226
staphyloma of	8
tumor of	3
Episcleritis	33
Keratitis, bullous	8
dendritic	14
fascicular	7
interstitial	50
phlyctenular	390
punctata	7
superficial	51
traumatic	61
ulcerative	615
ulcerative serpiginous	75
vascular	8
Kerato-conus	9
Kerato-iritis	6
Sclera, foreign body in	3
injury of	16
injury of ciliary region	9

rupture of	1
staphyloma of	5
Scleritis	17
Sclero-keratitis	7
Total	4,537

GENERAL INJURIES.

Blows and cuts	268
Burns	48
Total	316

GLAUCOMA.

Glaucoma, acute	3
chronic	8
hemorrhagic	2
secondary	8
simplex	30
Total	51

GLOBE.

Anophthalmos	25
Buphthalmos	4
Disorganized globe	26
Exophthalmus	15
Globe, foreign body in	21
hemorrhage in	2
rupture of	1
tumor of	3
Microphthalmos	6
Panophthalmitis	4
Phthisis bulbi	36
Total	143

IRIS, CILIARY BODY, AND CHOROID.

Albinism	5
Choroid, atrophy of	34
coloboma of	5
sarcoma of	1
staphyloma of	2
Choroiditis	73
Ciliary injection	52
Cyclitis	1
Iris, coloboma of	10
gumma of	4
heterochomia of	1
hyperaemia	60
prolapse of	19
rupture of	3
synechiae of anterior	21
posterior	45
Iritis, rheumatic	36
specific	267
traumatic	13
Irido-choroiditis	1
Irido-cyclitis	12
Irido-dialysis	14
Irido-donesis	25
Pupil, corectopia	1
exclusion of	9
mydriasis	15
artificial	46
myosis	2
acclusion of	30
Retino-choroiditis	17
Sclero-choroiditis	3
Uveitis	12
Total	839

LACHRYMAL APPARATUS.

Dacryo-cystitis	116
Epiphora	166
Fistula	7
Lachrymal obstruction	128
Mucocele	30
New growth	1
Total	448

LIDS.

Abscess	43
Blepharitis	889
Burns	22
Chalazion	492
Cyst	17
Dermatitis	17
Distichiasis	1
Ecchymosis	67
Ectropion	53
Eczema	53
Emphysema	4
Epicanthus	3

Entropion	21
Epithelioma	11
Erysipelas	6
Granulations	6
Hordeolum	197
Lagophthalmus	5
Milium	12
Molluscum	3
Naevus	2
Oedema	73
Papilloma	2
Phthriasis	6
Ptosis	42
Symblepharon	11
Trichiasis	50
Tumors	5
Ulcers	4
Verruca	14
Wound	26
Xanthalasma	6
Total	2,163

Lens.

Aphakia	11
Cataract, capsular	21
congenital	17
posterior-polar	10
senile immature	286
mature	329
traumatic	82
Lens, foreign body in	5
dislocation of	22
opacities of	120
Total	903

Muscular Affections and Neuroses.

Angio-neurotic oedema	1
Argyll-Robertson pupil	3
Blepharaspasm	11
Diplopia	20
Esophoria	5
Exophoria	7
Exophthalmic goitre	6
Herpes zoster	12
Hyperphoria	4
Nictitation	9
Nystagmus	58
Paralysis (unclassified)	2
Paralysis, facial	21
fourth	3
sixth	7
third	54
Strabismus, alternating	5
convergent	466
divergent	89
Supra-orbital neuralgia	9
Total	792

Optic Nerve and Retina.

Amblyopia, toxic	49
unclassified	25
Amaurotic, family idiocy	1
Hemeralopia	1
Hemianopsia	2
Neuritis	13
Neuro-retinitis	13
Optic nerve, atrophy of	61
Retina, atrophy of	1
coloboma of	1
degenerative changes in macular region	23
embolism of central artery of	3
glioma of	2
hemorrhages of	20
separation of	38
thrombosis, vein of	3
Retinitis	13
albuminuric	8
pigmentosa	5
Scotoma (unclassified)	48
Total	330

Orbit.

Orbit, abscess of	3
cellulitis of	2
emphysema of	1
hemorrhage in	1
tumor of	9
Total	16

VITREOUS.	
Hyalitis	2
Muscae volitantes	18
Vitreous, foreign body in	4
hemorrhage in	10
opacities of	104
Total	138

MISCELLANEOUS.	
Eloped	31
Entered by mistake	8
No diagnosis	183
No diseases	37
Vision cases not refracted	612
Referred to other institutions	71
Refused treatment	20
Total	962

OTHER DISEASES.	
Anaemia	1
Diabetes	1
Eczema	2
Frontal sinus	10
Locomotor ataxia	2
Tumor of brow	3
Total	19

SUMMARY.

Accommodation and refraction	12,863
Conjunctiva	4,621
Cornea and sclera	4,537
General injuries	316
Glaucoma	51
Globe	143
Iris, ciliary body, and choroid	839
Lachrymal apparatus	448
Lids	2,163
Lens	903
Muscular affections and neuroses	792
Optic nerve and retina	330
Orbit	16
Vitreous	138
Miscellaneous	962
Other diseases	19
Total	29,141

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

a. *Malformations.*

	R.	B.	L.
Lop ear	0	4	0

b. *Miscellaneous.*

Abscess of lobe	1	0	0
Othaematoma	1	0	0
Othaematoma with erysipelas	0	0	2
Preauricular abscess	0	0	1

II. DISEASES OF THE MEATUS.

Otitis externa circumscripta	2	1	7
Otitis externa diffusa	2	1	6
Otitis externa diffusa with eczema	1	0	0
Otitis externa diffusa with atresia and erysipelas	1	0	0
Atresia external auditory meatus	1	0	1
Atresia external auditory meatus with eczema	1	1	0
Eczema external auditory meatus	1	0	0
Trauma of external auditory meatus	0	0	1

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Inflammations.*

Otitis media acuta — simple	6	1	15
With mastoiditis	15	0	19
With mastoiditis and otitis externa circumscripta	1	0	1
With mastoiditis and post aural abscess	1	0	2
With mastoiditis and meningitis	1	0	0
With mastoiditis and meningitis sub-dural abscess	0	0	1
With otitis externa circumscripta	1	0	1

b. *Acute Suppurative Inflammations.*

Otitis media suppurativa acuta — simple	31	8	20
With mastoiditis	67	4	67

	R.	B.	L.
recurrent	7	0	4
post aural abscess	9	0	14
post aural abscess, sinus thrombosis, subdural abscess, and meningitis	0	0	1
meningitis	0	0	1
meningitis tubercular	0	1	0
cervical adenitis	1	0	0
broncho pneumonia, pertussis, meningitis	0	0	1
lobar pneumonia	1	0	1
otitis externa diffusa	2	0	4
facial erysipelas	0	1	0
facial paralysis	0	0	2
erysipelas	4	0	4
diabetes	0	0	1
caries temporal bone and purulent conjunctivitis	0	0	1
thrombosis lateral sinus	3	0	1
thrombosis lateral sinus metastatic joint abscess	0	0	1
thrombosis lateral sinus metastatic abscesses	1	0	0
thrombosis lateral sinus perisinuous abscess and cerebral hernia	0	0	1
cerebellar abscess	2	0	0
perisinous abscess	2	0	1
femoral phlebitis and lumbar abscess	0	0	1
sub-dural abscess and placenter previa	0	0	1
and Bezold	3	0	1
hemiplegia and metastatic elbow	0	0	1
post scarlatimal desquamation	1	0	0
thombosis cavernous sinus and meningitis	1	0	0
With mastoid fistula	1	0	0
With facial paralysis and acute tubercular hip	0	0	1

c. *Chronic Suppurative Inflammations.*

Effectus otitis media suppurativa chronica	1	1	0
With furunculosis	0	0	1
Otitis media suppurative chronica simple	15	0	19
With acute relapse	3	0	0
pulmonary tuberculosis	1	0	0
otitis externa diffusa	1	0	2
cervical abscess and erysipelas	1	0	0
cholesteatoma	1	0	1
polyp	4	1	4
caries of ossicles	12	2	17
caries of ossicles and polyp in tympanum	1	0	0
cerebral abscess	0	0	1
meningitis	0	0	1

	R.	B.	L.
meningitis tubercular	0	0	1
mastoiditis	13	0	20
and cholesteatoma	0	0	1
and post aural abscess	1	0	1
and extra dural abscess	0	0	3
and cerebral abscess	1	0	1
and sub-periosteal abscess	1	0	0
and perisinuous abscess	1	0	0
and polyp	2	0	7
recurrent	0	0	1
acute relapse	1	0	4
double thrombosis cavernous sinus and broncho pneumonia	0	0	1
purulent conjunctivitis and facial erysipelas	1	0	1
Facial paralysis	0	0	2
mastoid fistula	11	1	9
caries of ossicles and facial paralysis	0	0	1
polyp and tubercular adenitis	0	0	1
With exostosis of external auditory canal	0	0	1
facial paralysis	1	0	0
Polyp and erysipelas	0	0	1

IV. DISEASES OF LABYRINTH.

Labyrinthitis	0	2	0
Labyrinthitis specific	1	2	0

V. DISEASES OF NOSE, NASO PHARNYX AND TONSILS.

Deviation of nasal septum	1	0	1
Polypoid middle turbinate	1	0	1
Fracture new	0	1	0
old	0	1	0
Adenoids		239	
Adenoids and tonsils		505	
Tonsils		7	
Hypertrophic rhinitis	0	2	0
Ulceration of middle turbinate	1	0	0
Post operation epistaxis	0	2	0

VI. DISEASES OF ACCESSORY SINUSES.

a. *Frontal Sinus.*

Frontal sinusitis acuta	7	0	5
chronica	0	11	1
acuta with ethmoiditis	1	1	0

	R.	B.	L.
chronica ethmoiditis sphenoiditis and maxillary sinusitis	1	0	1
recurrent with ethmoiditis and maxillary sinusitis	1	0	0
Post operative frontal sinus fistula	0	1	0
b. *Antrum of Highmore.*			
Tumor	1	0	0
Maxillary sinusitis	2	0	1
c. *Ethmoid.*			
Recurrent ethmoiditis frontal sinusitis and maxillary sinusitis	1	0	0
Acute ethmoiditis and frontal sinusitis	1	0	0
Carcinoma ethmoid	0	0	1
Ethmoiditis acuta	1	0	0
chronica	1	3	3
VII. MISCELLANEOUS.			
Erysipelas	4	0	1
Convelesent mastoid wound	0	0	1
exenteration cavity	2	0	1
Post operative mastoid fistulae	11	1	8
with pulmonary tuberculosis	0	0	1
with facial paralysis	0	0	1
Myeloma left temporal region	0	0	1
Hystero epilepsy	0	1	0
Stapes fixation	0	1	0
with Menier's symptoms-complex	0	0	1
Cervical adenitis	1	0	1
Poisoning from drugs both eyes — to eye side	0	1	0
bites transferred to eye side	0	1	0
Lacrimal abscess transferred to eye side	1	0	1
Dacryocystitis " " "	0	0	1
Congenital malformation mouth	0	1	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

	R.	B.	L.
Abscess of tragus incised	2	0	0
Abscess of lobe incised	1	0	0
Cyst excised	7	0	4
Cornu excised	1	0	0
Congenital lop ears (plastic operation)	2	2	2

	R.	B.	L.
Cartilage excised	3	0	0
Othaematoma incised	2	0	3
Plastic	1	1	0
Enchondroma excised	1	0	0
2. Meatus.			
Abscess incised	57	2	50
Circumscribed abscess incised	16	0	15
New growth excised	1	0	0
Foreign body removed	2	0	2
3. Tympanum.			
Drum-membrane, paracentesis	414	127	333
Carious ossicles removed	15	3	17
Granulations in tympanum removed	0	0	2
Polyp removed	48	2	53
4. Nose and Pharynx.			
Nose, spur removed	0	34	0
Nose, turbinate removed	0	71	0
Nose, polypus removed	0	31	0
Nose, fibroma turbinate removed	0	0	1
Deflected septum straightened	0	31	0
Naso pharynx, adenoids removed	0	240	0
Naso pharynx, adenoids and tonsils removed	0	491	0
Naso pharynx, tonsils removed	0	23	0
Foreign body removed	0	3	0
Fracture nasal bone (reduction)	1	0	0
Sub-mucous operation (spurs and septum)	9	0	10
Elongated uvula snared	0	3	0
Abscess of septum incised	0	2	0
Adhesions eustachian tubes freed	0	3	0
Retro-pharyngeal abscess incised	0	1	0
Ethmoids curetted	0	8	0
Sphenoids curetted	0	1	0
Peritonsillar abscess incised	0	4	0
Frontal sinus	5	2	0
5. Mastoid Region.			
Abscess post aural incised	10	0	7
Cervical abscess incised	4	0	2
Cervical glands incised	3	0	2
Mastoid operations	114	1	91
Mastoid operation with tying of jugular	4	0	5
Mastoid operation with skin graft	2	0	2
Ligation jugular vein	3	0	2

	R.	B.	L.
Myeloma excised	1	0	0
Skin graft	16	0	5
Trephining	1	0	0

MISCELLANEOUS.

Various operation	4	0	3
Plastic operations (mouth)	0	2	0
Tongue-tie (freed)	0	1	0

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	1	0	0
Abscess of lobe	1	0	1
Abscess of tragus	1	0	0
Abscess of concha	0	0	1
Congelatio	1	0	1
Cornu	1	0	0
Dermatitis	1	0	1
Eczema	55	16	80
Erysipelas	3	0	3
New growth	2	0	1
Haematoma traumatica	1	0	2
Herpes zoster	1	0	0
Intertrigo	1	0	0
Perichondritis	1	0	1
Lupus	1	0	0

b. *Deformities.*

Microtia	1	0	1
Congenital fistula of auricle	1	0	0
Congenital lop ears	0	4	0

c. *Neoplasms.*

Angioma	1	0	0
Cyst of auricle	1	0	2
Cyst of lobe	0	0	1
Epithelioma	1	0	1
Papilloma	1	0	0
Sarcoma	0	0	1

d. *Trauma.*

Auricle	1	0	2

2. Meatus.

	R.	B.	L.
Cerumen	534	983	690
Trauma	1	0	1
Atresia	3	1	2
Abscess	1	0	2
Eczema	30	19	35
Pruritus	1	0	1
Acute diffuse inflammation	15	0	14
Chronic diffuse inflammation	2	0	2
Acute circumscribed inflammation	130	5	67
Foreign body (animate)	9	0	11
Foreign body (inanimate)	13	3	9

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	7	0	6
Trauma indirect	3	0	1

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

Mucous	301	642	230
With adenoids	75	165	90

Chronic Secretory Catarrhal Inflammation.

Mucous	395	680	472
With adenoids	102	201	206
labyrinthine disease	3	0	3

b. *Adhesive Catarrhal Inflammation.*

Secretory	105	252	70
Secretory with labyrinthine disease	3	9	2
Insidious	2	0	1

c. *Acute Inflammation.*

Simple	506	165	47
With adenoids	52	41	27
mastoiditis	72	2	69
facial paralysis	1	0	2
meningitis	0	1	0
post aural abscess	1	0	0
mastoid abscess	1	0	1
cerebral abscess	0	0	1
sub-periosteal abscess	1	0	0

d. *Acute Suppurative Inflammation.*

Simple	345	176	258
with caries of mastoid	1	0	0

	R.	B.	L.
with mastoiditis	165	10	120
with mastoiditis and meningitis	1	0	0
with mastoiditis and facial paralysis	0	0	2
with mastoid fistula	1	0	0
with post-aural abscess	15	0	11
with facial paralysis	2	0	1
with adenoids	29	19	20
with atresia canal	1	0	1
with brain abscess	0	0	1
e. *Chronic Suppurative Inflammation.*			
Simple	540	291	409
with caries of mastoid	1	0	0
with mastoiditis	45	0	32
with mastoiditis and facial paralysis	2	0	2
with mastoid fistula	2	0	1
with caries of the ossicles	27	3	55
with caries of the ossicles and polyp in tympanum	1	0	1
with facial paralysis	3	0	3
with polyp in the tympanum	62	4	48
with granulations in the tympanum	27	2	19
with mastoiditis, facial paralysis and polyp in tympanum	0	0	1
with polypus in tympanum and meningitis	1	0	0
with post-aural abscess	1	0	2
with adenoids	25	31	42
Effect of suppurative inflammation	209	260	140
with labyrinthine disease	2	0	1
with adenoids	27	5	55
IV. NEUROSIS OF MIDDLE EAR.			
Otalgia from teeth	80	3	20
pharynx	15	2	3
V. DISEASES OF THE LABYRINTH.			
Labyrinthitis	2	7	1
Anaemia	1	0	0
Concussion	1	0	0
MISCELLANEOUS.			
Atresia (nasal duct)	0	1	0
Adenoids and tonsils	0	126	0
Adenoids	0	160	0
Hypertrophic rhinitis	0	152	0
Atrophic rhinitis	0	97	0

	R.	B.	L.
Purulent rhinitis	0	66	0
Peritonsillar abscess	0	4	0
Polyp (nose)	0	36	0
Spur (nose)	0	91	0
Foreign body (nose)	0	5	0
Deaf mutism	0	29	0
Deflected septum	0	152	0
Frontal sinus (acute)	17	3	18
(chronic)	0	3	0
Ethmoiditis	0	40	0
Acute pharyngitis	0	59	0
Chronic pharyngitis	0	14	0
Sphenoiditis	0	7	0
Abscess septum	0	2	0
New growth (vocal cord)	0	1	0
Adenitis	0	10	0
Oedema uvula	0	1	0
Herpes lip	0	1	0
Myeloma	0	0	1
Deformity (nose)	0	1	0
Trauma (nose)	0	1	0
Epistaxis	0	1	0
Eczema (nose)	0	4	0
Singers' node	0	1	0
Congenital deformity of nose	0	1	0
Specific nose and throat	0	2	0
Malformation (mouth)	0	1	0
Lingual tonsils	0	1	0
Antrum of Highmore	0	1	0
Eloped	0	26	0
No diagnosis	0	48	0
No ear disease	0	56	0

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-Graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-Patient Department, operating, sterilizing, and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same, and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch should they desire.

The remuneration is $72 for the course.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1905–1906.

The managers desire to acknowledge the receipt of the following donations in 1905–1906: —

Medical Journals for the Surgeons' Library, from Dr. B. Joy Jeffries.

Medical Journals for the Surgeons' Library, from Dr. O. F. Wadsworth.

Medical Journals for the Surgeons' Library, from Dr. Myles Standish.

Books for Nurses' Library, from Mrs. C. P. Curtis.

Concert and Art Club tickets for nurses, from Dr. George A. Webster.

Tickets for picture exhibitions for nurses, from Dr. Myles Standish.

Sixty knit bandages, from Miss Prentiss.

Forty-nine articles of clothing, from the Jamaica Plain Branch of the Needlework Guild.

Twelve gingham tiers for children, from the Channing Circle, Arlington Street Church, through Mrs. Horatio Newhall.

Clothing, from Mr. Howard W. Morse.

Old linen, from Mrs. Jordan.

Flowers, from the Boston Flower Mission.

Flowers, from Dr. Frederick L. Jack.

Flowers, from Dr. Fred. M. Spalding.

Flowers, from the Church of the Ascension, Roxbury.

Flowers, Anonymous.

Easter Lily, from the Herford Club, Arlington Street Church, through Miss Alma Hildreth, Secretary.

Spectacles and eyeglasses, from Miss Willard.

Spectacles and eyeglasses, from Mr. Green.

Spectacles and eyeglasses, from Mrs. W. W. Blackmar.

Spectacles and eyeglasses, from Miss E. Fuller.

Picture of Massachusetts General Hospital, from Dr. Henry L. Shaw.

Through the kindness of Dr. John Dixwell, the house patients were treated to a musical entertainment on December 13, 1905.

Through the kindness and generosity of the following persons, we were enabled to have a large Christmas tree, with presents for over two hundred patients and employees: —

Mr. Augustus Hemenway, Mr. and Mrs. Charles P. Curtis, Mr. George P. Gardner, Mr. Henry Parkman, Mr. Charles Lowell, Mr. Francis L. Higginson, Mr. William D. Sohier, Mr. William H. Seabury, Mr. Robert Homans, Mr. William S. Spaulding, Mr. Eben S. Draper, Dr. George B. Shattuck, Mr. William C. Endicott, Mr. Russell G. Fessenden, Mrs. P. H. Fessenden, Mrs. C. P. Curtis, Jr., Mrs. Quincy Adams Shaw, Jr., Mrs. H. F. Bigelow, Mrs. S. A. Sargent, Mrs. C. P. Ayling, Mr. Harvey Clap, Mr. and Mrs. Frank A. Day, Mr. Ben Johnson, Mr. L. B. Chandler, Episcopal City Mission, Mr. Howard W. Morse, Mr. J. T. Spalding and Miss Maude E. Everdean.

EIGHTY-SECOND ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1907

THE

Massachusetts Charitable Eye and Ear Infirmary.

233 Charles Street, cor. Fruit Street, Boston.

OUT-PATIENT DEPARTMENT.

The Out-patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A.M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply to the Superintendent between 10 and 11 A.M. and 2 and 3 P.M. ON WEEK-DAYS ONLY.

Accident and emergency cases admitted at any time.

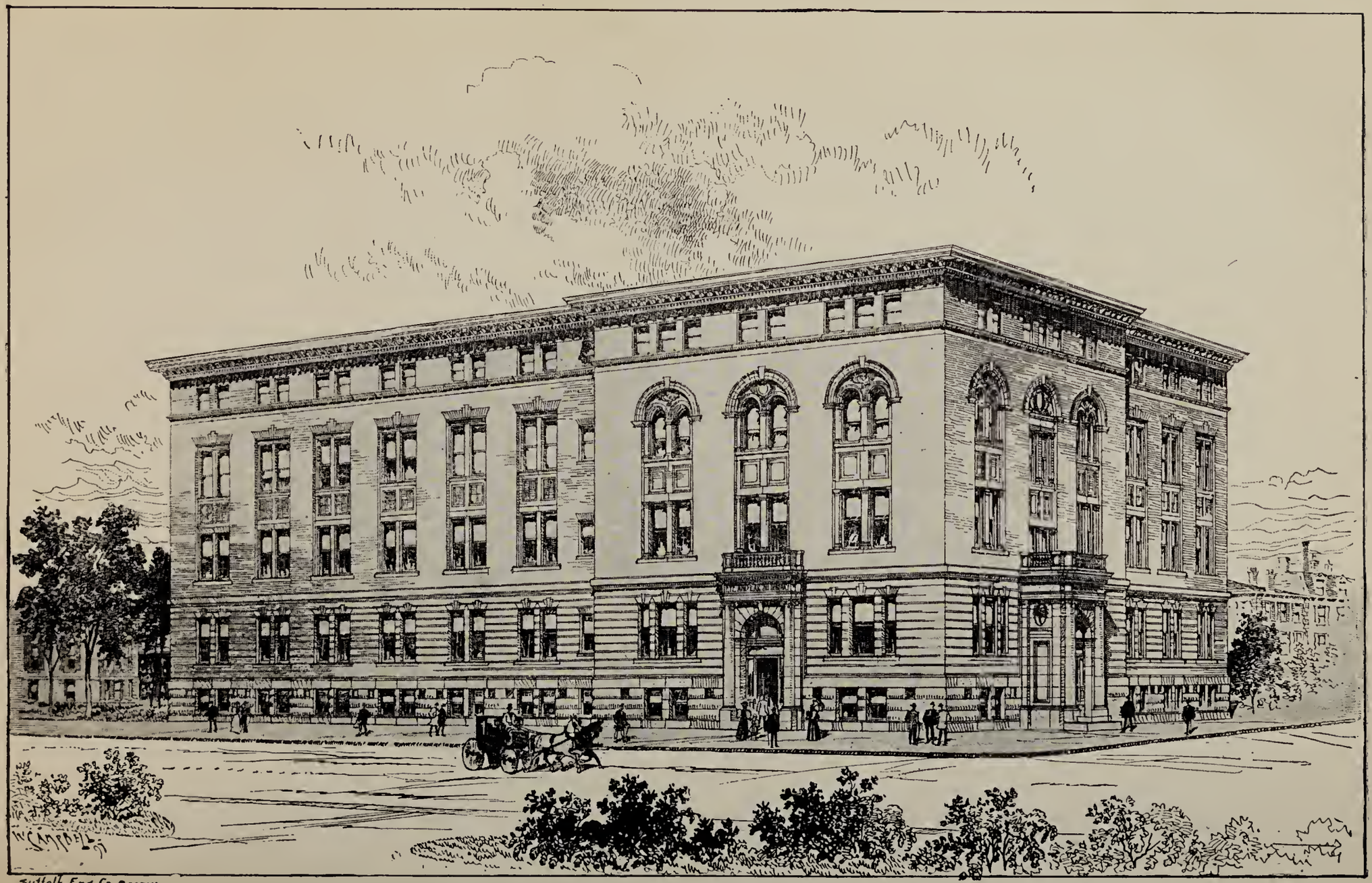
All communications in regard to the Infirmary or in regard to any inmate must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of six dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P.M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy**, and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.



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EIGHTY-SECOND ANNUAL REPORT

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EYE AND EAR INFIRMARY

FOR THE YEAR

1907

BOSTON
GEO. H. ELLIS CO., PRINTERS, 272 CONGRESS STREET
1908

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OF THE

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OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The year ending Sept. 30, 1907, has been the most active year in the history of the institution. During the greater portion of the year the hospital wards were tested severely. The total number of patients treated in the wards was 3,206, 290 more than the year before. Of this number 1,437 were children under fourteen years of age. 47,837 days' board were furnished patients, and it is to be emphasized that out of this 27,570 days' board, considerably more than half, were free. During the year 438 patients were refused admission because of lack of beds. Of this number 270 were subsequently admitted. No emergency case, however, was refused admission at any time, although it has been exceedingly difficult in many instances to care for emergencies. Temporary beds in etherizing rooms and Out-patient Department have been used. Of the ward patients 288 were treated in the Gardner Building for contagious diseases, of which number 113 were infants under one and one-half years. The daily average number of patients in the Gardner Building was 19. The Managers justly feel that this work in contagious ophthalmia is the most important work done by the institution, and is of the utmost value sociologically and saves the community and Commonwealth annually a large amount of money by preventing blindness. The total attendance in the Out-patient Department was 88,061, of which number 32,390 were new patients,—an increase in the number of new patients of 1,365. The system of

investigation of new cases has been carried on during the past year, and 1,504 applicants were refused treatment as individuals able to pay for examination and treatment and accordingly unfit for charity. It is felt by the Managers that a still more vigorous investigation in regard to the circumstances of persons applying for treatment should be carried on. Difficulties in arranging proper machinery for investigating cases are great. However, it is hoped that more will be accomplished in the coming year. It is the unanimous desire of the Board of Managers that the benefits of the institution shall be given only to the poor and needy.

There has been a notable increase in the number of patients treated in the aural wards. While this has been due to a certain extent to the increase in the number of mastoid cases, it has been caused largely by the great number of adenoid operations,—993 in all.

How to provide for proper treatment of the diseases of the nose and throat complicating diseases of the ear with a sufficient factor of safety for the patient and without unsanitary overcrowding has been an increasingly difficult problem during the last few years.

During the past year there has been great need for more beds for patients and more room for the treatment of cases. One of the great needs of the institution also is proper provision for the moving of patients outdoors during the greater part of the day, as is being done in many hospitals. Recognizing these needs, the Board of Surgeons and the Superintendent have earnestly requested the Board of Managers to take some action in regard to securing additional beds and facilities for treatment, either by building an additional story upon the present building or by providing for the nurses and servants in a separate building.

By special attention to economy in administration the past year the cost of maintenance was over seven thousand dollars less than the year before, and the annual deficit was much

smaller than in any year since the new building was opened. During the year to come the Board of Managers recognize the fact that more money must be spent in maintenance because of needed improvements and repairs and because of the increased cost of provisions and all kinds of hospital supplies and the advance in the wages of nurses and servants.

As stated in previous reports, the problem of running the Infirmary and satisfying the demands of the community without an excessive annual deficit is becoming more and more difficult each year. Curtailing the work of the Infirmary would inflict hardship and suffering on the ever-increasing number of poor and needy. Injuries to the eye and severe cases of mastoid disease take from the poor man willing to work the ability to maintain himself and family, and our aim is to restore him to a condition of self-support. The relief is administered generally soon after the occurrence of an accident or the onset of disease, and thus prolonged disability and impoverishment is prevented. The use of the eye or ear is the first requirement of self-dependence, and, since the beneficiaries of the Infirmary are from the poorer class, it may in truth be called an institution for the prevention of pauperism. The work of the Infirmary also is of great importance to the community, viewing it from the light of economic policy, as many of those seeking relief would be candidates for almshouses if deprived of the relief necessary to their cases.

At a meeting of the Board of Managers of the Massachusetts Charitable Eye and Ear Infirmary held Oct. 25, 1906, the following resolve was unanimously adopted:—

"*Resolved*, That by the death of Charles P. Curtis this Board has suffered a great loss. His service for over twenty-four years has been one not only of great benefit to his associates of the Board of Managers, but more especially to the Infirmary and the poor of the community for whom it does so much. His advice, as a member for many years of the Finance Committee, was of great value, and, in every matter connected with

the Infirmary where he was called upon to act, his work was done wisely and well.

This Board and all the officers of the institution deeply regret that they shall no longer have Mr. Curtis with them.

During the year Dr. Walter A. Lecompte, one of the assistant aural surgeons, died.

At a meeting of the Board of Managers held February 5, 1907, the following resolve was unanimously adopted:—

"*Resolved*, That by the death of Dr. Walter A. Lecompte, the Massachusetts Charitable Eye and Ear Infirmary has lost one of its most valued surgeons. He devoted himself with enthusiasm to its service, and this combined with a strong character and good judgment made his work of the utmost benefit to the institution. For these reasons the Board of Managers wish to place upon their records their sincere appreciation of all that Dr. Lecompte had done."

The Managers desire to acknowledge the following gifts and legacies received during the year:—

Legacy William T. Bolton	$555.22
Legacy Charles Merriam	5,000.00
Legacy Sarah E. Potter, cash and securities . . .	96,630.50
Frederick R. Sears, Special Fund	20,000.00
Gift of Francis D. Lecompte, to be called "The Adelaide Lecompte Spalding Fund"	25,000.00
Gift of George Dexter	100.00
F., Jr.	50.00
F. W. Hunnewell	100.00

Francis D. Lecompte. The surgical instruments of the late Dr. Walter A. Lecompte and an instrument cabinet for the same.

HERBERT M. SEARS,
ROBERT H. STEVENSON, Jr.,
Committee of the Board of Managers.

Sept. 30, 1907.

REPORT OF THE TREASURER

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

INCOME, RECEIPTS AND DISBURSEMENTS

For the year ending Sept. 30, 1907.

INCOME.

RECEIPTS:

Income from investments		$16,517.97
Appropriation from State		35,000.00
Rebate of bank tax		75.00
Gifts for running expenses		250.00
Income from trustees, will E. V. Ashton		1,550.00
Income from estate Robert B. Brigham		1,000.00
From Superintendent, as per his report:		
Board of patients	$7,730.51	
Opticians' account	4,736.73	
Medicines	9,464.00	
Registration fee	2,900.00	
Sundries	409.68	
		25,240.92
		$79,633.89
Excess of expenditures over receipts		2,623.99
		$82,257.88

EXPENDITURES.

Running expenses, per account of Superintendent		$79,498.77
Additional expenses, per account of Treasurer:		
Accrued interest on bonds purchased	$61.80	
Insurance	25.00	
Printing	271.88	
Sundries	430.00	
Taxes city of Boston "Old Infirmary"	1,607.49	
Repairs on old Infirmary Buildings and surveying	362.94	
		2,759.11
		$82,257.88

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 3,206, which is 290 more than last year.

Of the 3,206 house patients 1,867 were males and 1,339 were females.

Number of patients treated in Ophthalmic Wards . .	1,628
Number of patients treated in Aural Wards	1,578

Of this number 288 were treated in the Gardner Building for contagious diseases. 113 of these were infants under one and one-half years. A report on the special work in the Gardner Building follows later. The daily average number of patients treated in this building was 19.

Of the total number of patients treated in the wards 1,437 were children under fourteen years of age.

The daily average number of patients treated in the wards was 131.

The largest number of house patients treated on any one day was 151; the smallest number, 96.

Number of free patients admitted	1,541
Paying patients at $6 per week	992
Paying patients at less than $6 per week	562
Patients remaining in wards Sept. 30, 1906	111

The average rate paid per week per pay patient was $4.66.

The average stay per patient in the hospital under treatment was 15 days.

During the year 438 patients were refused admission for want of accommodation. Of this number 270 were subsequently admitted.

47,837 days' board was furnished to patients. 20,267 days were paid, and 27,570 were free.

RESIDENCES OF HOUSE PATIENTS.

Boston	1,187	Rhode Island	5
Mass. (excepting Boston)	1,875	Connecticut	7
Maine	13	Other States	10
New Hampshire	70	Other countries	28
Vermont	11		3,206

OCCUPATIONS OF HOUSE PATIENTS.

MALES.

Agents	10	Nurses	2
Bakers	3	Painters and glaziers	14
Barbers	12	Pedlers	24
Blacksmiths	18	Porters	11
Butchers	5	Policemen	2
Carpenters and wood-workers	50	Photographer	1
Clerks	48	Physicians	4
Cooks	6	Plumbers and steam-fitters	9
Coachmen and hostlers	10	Printers and compositors	7
Draughtsman	1	Railroad employees	17
Electricians	4	Roofer	1
Engineers	13	Salesmen	8
Farmers	33	Seamen and fishermen	15
Firemen	14	Shippers	6
Gardeners	6	Shoemakers	37
Janitors	7	Soldiers	5
Laborers	232	Stone-cutters	31
Laundrymen	4	Storekeepers	7
Lawyer	1	Students	10
Letter-carrier	1	Tailors	18
Masons	16	Teamsters	50
Machinists	55	Waiters	5
Metal workers and moulders	58	Watchmen	9
Mill and factory operatives	122	Unclassified	12
Musicians	2	Minors	831
			1,867

FEMALES.

Actress	1	Nurses	20
Agent	1	Pedler	1
Book-keepers	3	Saleswoman	1
Clerks	13	Stenographers	3
Domestics	81	Students	2
Dressmakers and seamstresses	21	Teachers	6
Housewives	281	Telephone operators	4
Mill and factory operatives	50	Waitresses	10
Milliners	4	Minors	837
			1,339

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

2,188 were well.
657 were relieved.
59 were not relieved.
70 left against advice.
30 were not treated.
46 died.
3 eloped.
25 were transferred to other hospitals for other diseases.
128 remaining in hospital Sept. 30, 1907.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 750 operations performed in the house, and 1,831 in the Out-patient Department.

In the Aural Departments there were 1,383 operations performed in the house, and 1,220 in the Out-patient Department.

SPECIAL REPORT ON THE WORK OF THE GARDNER BUILDING.

During the past year 288 patients were treated in the special wards of the Gardner Building. Of these there were 126 cases of gonorrhœal ophthalmia, 20 occurring in adults, 12 in children, and 94 in infants soon after birth. There were 61 cases of purulent ophthalmia, non-gonorrhœal: 11 of these were in adults, 16 in children, and 30 in infants. At the time of entrance the cornea was involved in 36 of the gonorrhœal cases, of which 9 were in adults, 4 in children, and 23 in infants. The cornea became involved in but 5 cases after admission: 2 of these were in adults, and 3 in children.

Saemisch's operation was performed but twice.

12 cases of specific iritis with active secondary lesions of the disease were treated. There were also 17 cases of trachoma, 9 cases of acute conjunctivitis in immigrants, 6 cases of phlyctenular conjunctivitis, one of follicular conjunctivitis, 7 of ulcerative keratitis, and 2 of interstitial keratitis.

47 patients were transferred to the Gardner Building for measles, scarlet fever, varicella, pertussis, erysipelas, and other infectious diseases which manifested themselves in the general wards of the hospital.

OUT-PATIENT DEPARTMENT.

New patients treated:—		
Ophthalmic: Males	12,666	
Females	11,346	
		24,012
Aural: Males	4,850	
Females	4,069	
		8,919
Total		32,931

Number of old patients treated in the Out-patient Department was:—		
Ophthalmic	29,835	
Aural	25,295	
		55,130
Total visits in Out-patient Department		88,061

RESIDENCES OF OUT-PATIENTS.

Boston	16,749	Rhode Island	12
Mass. (excepting Boston)	15,883	Connecticut	20
Maine	41	Other States	30
New Hampshire	155	British Provinces	10
Vermont	19	Other countries	12
			32,931

OCCUPATIONS OF OUT-PATIENTS.

Actors	6
Agents	134
Artists	7
Bakers	43
Barbers	140
Blacksmiths	144
Book-binders	23
Book-keepers	125
Butchers	71
Carpenters and wood-workers	518
Clerks	1,270
Clergymen	17
Coachmen and hostlers	98
Compositors and printers	179
Domestics	1,237
Draughtsmen	6
Electricians	110
Engineers	152
Engravers	37
Farmers	177
Firemen	179
Fishermen and seamen	116
Lawyer	1
Hotel and lodging-house keepers,	32
Housewives	4,704
Laborers	2,387
Machinists	959
Masons	91
Messengers	28
Milliners	25
Mill and factory operatives	3,197
Moulders	14
Musicians	26
Nurses	129
Painters	226
Pedlers	206
Photographers	18
Physicians and dentists	9
Plumbers, steam and gas fitters,	130
Policemen and letter-carriers	79
Railroad employees	695
Soldiers	107
Seamstresses	377
Shoemakers	167
Stenographers	88
Stone-cutters	184
Storekeepers	86
Students	109
Tailors	440
Teachers	83
Teamsters	517
Telephone and telegraph operators	83
Waiters	243
Unclassified	889
Minors	1,813
Total	32,931

EXPENDITURES FOR 1907.

The total expenditure by the Superintendent has been $79,498.77, which is itemized as follows:—

Provisions		$16,698.07
Meat, fish, and poultry	$5,675.80	
Fruit and vegetables	2,135.39	
Bread and flour	1,052.48	
Milk	2,308.98	
Groceries	2,856.13	
Butter and eggs	2,669.29	
Wines, liquors, and alcohol		263.00
Water rates		1,246.80
Soap		513.51
Gas		310.56
Ice		895.66
Heat, light, and power		7,274.77
Fuel (kitchen)		500.00
Medicines and dispensary		3,935.62
Furniture		948.57
Stationery and printing		1,001.41
Wages		31,173.63
Officers (Superintendent, Pathologist, Matron, Assistant Matron, Druggist)	$6,659.96	
Clerks (office, Out-patient Department, and telephone)	3,490.00	
Engineers	1,020.00	
Carpenter and painters	1,385.00	
Laboratory assistant	480.00	
Ward masters, orderlies, and porters	5,967.60	
Apothecary assistant	664.00	
Elevator man	245.00	
Head and operating-room nurses	2,529.81	
Post-graduate nurses	372.80	

Special nurses	$289.85	
Attendant nurses	3,243.47	
Kitchen and dining-room employees	1,817.24	
Laundresses	1,590.88	
Ward maids	388.60	
General women	760.00	
Seamstress	269.42	
Optical and surgical instruments and repairs		$1,474.78
Spectacles and eye-glasses furnished free to wards of the State of Massachusetts since June 1, 1907		108.30
Repairs and improvements		3,391.44
Plumbing	232.53	
Laundry	157.62	
Steam plant	189.77	
Electric plant	234.24	
Carpentering	534.45	
Painting and glazing	225.43	
Kitchen cooking apparatus	132.62	
New dressing sterilizer	291.00	
Elevator	199.49	
Furniture and bedding	72.67	
Locks, keys, and hardware	190.22	
Roof awning	40.00	
Repairing concrete driveway	138.00	
Crematory	75.00	
New floor Optical Department	330.00	
Care of ward floors	168.00	
Roofing on Gardner Building	180.40	
House, ward and surgical supplies		8,005.99
Kitchen and dining-rooms	349.32	
Linen-room	918.77	
Surgical and ward supplies	4,548.92	
Laundry supplies	248.91	
Bacteriological laboratory supplies	83.91	
Disinfectant	150.00	
General supplies	906.47	
Uniforms:		
Doctors	157.50	
Orderlies	281.70	
Patients	360.49	
Contingent and sundries		1,756.66
Sundries and training school	460.65	
Surgeons' library	156.18	
Nurses' library	39.50	
Postage and express	127.05	

Telephone	$487.78
Laboratory	19.95
Advertising	10.00
X-ray plates (Massachusetts General Hospital)	165.40
Office	161.15
Apothecary	129.00

The value of stock on hand Oct. 1, 1907, was:—

House and surgical supplies	$4,527.93	
Drugs and medicines	2,190.44	
Provisions	580.89	
	$7,299.26	
The value of stock on hand Oct. 1, 1906, was		$7,339.05
The value of stock on hand Oct. 1, 1907, was		7,299.26
		$39.79

Adding the difference in value of stock on hand Oct. 1, 1907, $39.79, and Oct. 1, 1906, gives the cost of maintenance per house patient per week as $11.62, or 42 cents a week less than in 1906. The cost of maintenance per inmate per week was $6.90. The cost of uncooked food supplies for all persons, including patients and the entire household at the hospital, was $16,698.07.

The daily average number of patients was 131; of officers and employees, including house and nursing staff, 90; or a total daily average of 221 persons. The number of weeks' board of all persons was 11,523, and the weekly cost per person for uncooked food supplies was $1.45, or 20.70 cents per day.

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

During the past year 90 lectures and classes were given by the Surgical Staff, the House Staff, and the Superintendent of Nurses. The subjects covered were the Anatomy and Physiology of the Eye, Ear, Nose, and Throat, Clinical Diseases and Surgery of the same, Refraction, Aural and Ophthalmic Nursing, and special nursing of Brain Abscess, and the Ear in Art and History. 8 lectures were given on the Hospital Formulary, 3 on Contagious Diseases, and 2 on the Care of Infants. Special and individual instruction was given in sterilizing, etherizing, operating-room technique, and the preparation of infants' food.

The number of post-graduate and pupil nurses taking the course was 15. 13 graduates received the diploma of the school. 29 applications for the course were received during the year.

In addition to the regular special training, instruction in hospital management has been inaugurated. The practical details of the duties of an executive nurse in charge of a floor or ward have been taught by the permanent head nurses. The opportunity to teach pupil nurses in class and a number of lectures on hospital organization, management, buying, etc., have been given.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-patient Departments from Sept. 30, 1898, to Oct. 1, 1907, showing the yearly increase in the number of patients treated in each department, also the total number of patients treated in both departments during the past ten years:—

	House Patients Ophthalmic.	*House Patients Aural.*	*Out-patients Ophthalmic.*	*Out-patients Aural.*	*Total.*
1898	1,096	324	15,486	5,443	22,349
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
1902	1,483	750	22,839	7,180	32,252
1903	1,548	975	23,614	7,876	34,013
1904	1,546	1,269	23,943	8,782	35,540
1905	1,651	1,251	23,498	8,919	35,319
1906	1,611	1,305	23,353	8,213	34,482
1907	1,628	1,578	24,012	8,919	36,137
Totals .	14,991	9,409	215,679	75,645	315,724

A total of 315,724 new patients treated in the Out-patient Department. As these patients made an average of 3 visits, it brings the total number of visits of patients to 947,172.

Respectfully submitted,

FARRAR COBB, M.D.,

Superintendent.

ADELAIDE LECOMPTE SPALDING MEMORIAL WARD

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the
Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen,—We desire again to express our appreciation of the facilities afforded us for the performance of our work at this institution.

The House and Out-patient Departments have progressed, in most respects, in an entirely satisfactory manner. The number of patients treated in the wards shows a considerable increase over last year, and it is to be noted that a very large proportion of this increase is in the Aural Department. While the out-patient aural clinic is but little over one-third the ophthalmic in point of numbers, the house services are nearly equal. As presented to your notice in last year's report, this constant increase in the operative work of the Aural Department necessitated the use of many beds in the wards originally intended for ophthalmic patients, and the ophthalmic service undoubtedly suffers to a considerable degree in consequence. While the problem is not an easy one of solution except by an increase in the number of beds, the surgeons would suggest that a considerable reduction in the number requiring house treatment might be accomplished if this class of cases were more thoroughly investigated as to their fitness, from a financial standpoint, of receiving the benefits of this institution.

By both the ophthalmic and aural surgeons the urgent need of getting more fresh air for patients, particularly for those

confined to the wards for three or four weeks, is recognized daily. In perhaps a third of the ward patients a far quicker recovery could be obtained, and on the aural service an occasional secondary operation could be avoided, if the patients' already depleted systems were not further reduced by the close confinement of the wards necessitated by the restricted space of the hospital grounds at present. This most urgent need could, in the opinion of the Board of Surgeons, be best made by the establishment of a convalescent home, at some point ten or twelve miles from the present hospital, where patients could be transferred, after the acute operative stage of their illness had passed, for convalescing under more favorable circumstances. This project serves the double purpose of securing hygienic conditions for the patients during convalescence and of increasing the number of beds in the wards by giving a much more rapid rotation of patients.

The number of out-patients treated has been in excess of any previous year. 88,061 individuals, the very large proportion of whom have been benefited, represent an enormous amount of good work, and its accomplishment should be a cause of just pride and gratification to the Board of Managers, the Administrative Department, and the Surgical Staff.

In conclusion we wish to express our thanks to the Superintendent, Matron, House Officers, and Nurses for their co-operation and able assistance.

For the Full Board of Surgeons,

FREDERICK E. CHENEY.
EUGENE A. CROCKETT.

Oct. 23, 1907.

JOSEPH P. BRADLEE MEMORIAL WARD

REPORT OF THE PATHOLOGICAL LABORATORY.

BOSTON, Oct. 22, 1907.

TO THE BOARD OF MANAGERS OF THE MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY:

Gentlemen,—During the past year the work of the Laboratory has gone on without interruption. There have been no additions to the equipment, which, as heretofore, has been found sufficient to meet all routine demands. It would seem desirable, however, that more research work should be conducted. In comparison with the experimental work carried on in other branches of medicine in this country, that done in connection with the eye and ear has amounted to little. To further the latter work, it is suggested that an endeavor be made to obtain an endowment. This should be sufficient not only to enlarge the facilities of the laboratory, but to provide moderate salaries for properly qualified investigators. It is suggested, also, that the endowment should not be restricted to pathology, but should provide, also, for investigations into the anatomy and physiology of the eye and ear.

Publications:—

"Obstruction of the Central Retinal Vein." F. H. Verhoeff. *Archives of Ophthalmology*, 1907.

"A Case of Metastatic Carcinoma of the Iris." F. I. Proctor. Pathological examination by F. H. Verhoeff. *Ibid.*

"Tuberculous Scleritis, a Commonly Unrecognized Form of

Tuberculosis." F. H. Verhoeff. *Boston Medical and Surgical Journal*, 1907.

"The Bactericidal Values of Some Widely Advertised Antiseptics." F. H. Verhoeff and E. K. Ellis. *Journal of the American Medical Association*, 1907.

"A Case of Chronic Otitis Media, Hemorrhage into External Auditory Canal, Perforation of the Wall of the Pharynx, with Fatal Hemorrhage from the Jugular Vein." F. L. Jack and F. H. Verhoeff. *Boston Medical and Surgical Journal*, 1907.

"A Case of Pulsating Exophthalmos." E. E. Jack. Pathological examination by F. H. Verhoeff. *American Ophthalmological Transactions*, 1907.

FREDERICK H. VERHOEFF,
Pathologist.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Conjunctiva.

Conjunctivitis:	
acute	15
chronic	1
follicular	5
gonorrhœal:	
in adults	23
in children	17
in infants	171
phlyctenular	27
purulent:	
in adults	16
in children	27
in infants	55
Parinaud's	1
trachomatous	39
with pannus	30
Cicatrix	1
Lupus	1
Lymphoid hypertrophy	1
Pterygium	4
Symblepharon	11
Tumor:	
epithelioma	1
melanotic sarcoma	3
of caruncle	1
Total	450

Cornea.

Abscess	14
Conical	1
Foreign body	3
Keratitis	4
bullous	1
dendritic	6
interstitial	34
phlyctenular	68
superficial	5
syphilitic	1
traumatic	3
tubercular	4
ulcerative	173
with hypopyon	49
with perforation	6
Kerato-iritis	1
Kerato-scleritis	2
tubercular	17
Leucoma	6
adherent	5
inflamed	6
partial	1
Staphyloma	12
with prolapsed iris	1
Epithelioma	1
Total	424

Glaucoma.

Absolute	1
Acute	10
Chronic	38
Secondary	8
Simplex	7
Hydrophthalmos	1
Total	65

Globe and Orbit.

Abscess of orbit	11
of brow	1
Anophthalmos	2
Contracted orbit	2
Cicatrix cyst	1
Disorganized globe	29
Exophthalmos	1
arterio-venous aneurism	1
orbital hemorrhage	1
Fracture	1
Injury to brow	1
Intra-ocular hemorrhage	1
Necrosis	1
Panophthalmitis	14
metastatic	1
Osteo-sarcoma	1
Periostitis	1
Phthisis bulbi	13
Sympathetic ophthalmia	5
Tumors:	
carcinoma	1
gumma	1
Total	90

Injuries.

Burns:	
cornea	1
conjunctiva	4
conjunctiva and cornea	20
conjunctiva and lids	2
cornea and lids	1
lids	1
Non-penetrating:	
globe	9
with exophthalmos	1
with hyphæmia	1
with irido-dialysis	5
Lids	3
Penetrating:	
cornea	22
with foreign body	10
and prolapsed iris,	1
with prolapsed iris	2
ciliary region	29
with foreign body	1
cornea and iris	8
with foreign body	1
Cornea and lens	18
with foreign body	13
cornea, iris, and lens	18
with foreign body	1
hemorrhage into vitreous	1
Lid	2
lid and sclera	5
with foreign body	1
lid, cornea, and sclera:	
with prolapsed iris	1
sclera	17
with foreign body	12
Total	211

Iris, Choroid, and Ciliary Body.

Angioma	1
Blocked pupil	21
Disseminated choroiditis with vitreous opacities	2
Iritic adhesions	1
Iritis:	
gonorrhœal	1
rheumatic	8
serous	1
simple	44
with hypopyon	1
syphilitic	29
traumatic	5
tubercular	1
Irido-cyclitis	16
Sarcoma of choroid	2
Carcinoma metastatic	1
Uveitis	4
Total	138

Lachrymal Apparatus.

Abscess	8
Dacryo-cystitis:	
acute	3
chronic	20

chronic with fistula	4
with fracture lachrymal bone	1
Papilloma	2
Total	38

Lens.

Cataract:	
capsular	36
congenital	45
hypermature	13
immature	88
mature	185
pre-senile	1
traumatic	42
Dislocated lens:	
into anterior chamber	4
into posterior chamber	5
Total	419

Lids.

Abscess	5
Ankyloblepharon	3
Cicatrix	1
Ptosis	2
congenital	6
Cyst	4
dermoid	1
Dermatitis	1
Ectropion	8
Entropion	11
Epicanthus	1
Epithelioma	4
Papilloma	1
Trichiasis	13
Total	61

Miscellaneous.

Arthritis gonorrhœal	1
Acute yellow atrophy	1
Bronchitis, acute	1
Carcinoma of face	1
Cerebral neoplasm	2
Delirium tremens	3
Diabetes	3
Embolism internal iliac artery,	1
Encephalitis	1
Erysipelas, facial	1
Impetigo contagiosa	1
Infantile atrophy	1
Influenza	1
Measles	1
Mitral stenosis	1
Morphininism	1
Myocarditis	1
Pertussis	2
Pneumonia:	
broncho	1
lobar	1
Pyelitis	1
Tabes dorsalis	1
Scarlet fever	1
Syphilis:	
acquired	2
congenital	3
Total	34

Muscle and Nerve Affections.

Exo-hyperphoria	1
Herpes zoster ophthalmicus	3
Paralysis of abducens	1
Paralysis of motor oculi	2
Strabismus:	
convergent	39
divergent	8
Total	54

Optic Nerve.

Optic atrophy	6
Neuritis:	
optic	5
retrobulbar	9
Neuro-retinitis	1
Total	21

Retina.

Retina separated	14
Obstruction central artery	1

Obstruction central vein with glaucoma	1
Pseudo-glioma	1
Glioma	1
Amaurotic, family idiocy	1
Total	19

SCLERA.

Cyst	1
Scleritis, tubercular	3
Staphyloma	1
Tenonitis	2
Episcleritis	1
Total	8

SUMMARY.

Conjunctiva	450
Cornea	424
Glaucoma	65
Globe and orbit	90
Injuries	211
Iris, choroid, and ciliary body	138
Lachrymal apparatus	38
Lens	419
Lids	61
Miscellaneous	34
Muscle and nerve affections	54
Optic nerve	21
Retina	19
Sclera	8
Total	2,032

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

Conjunctiva.

Pterygium	4
Stripping	7
Symblepharon	5
Tuck for paralysis of third nerve	1
Total	17

Cornea.

Paracentesis	15
Saemisch	17
Section for foreign body	1
Tattooing	2
Total	35

Enucleations.

Disorganized globe	30
Glaucoma absolutum	3
Injury	26
Irido-cyclitis	1
Iritis	1
Panophthalmitis	8
Phthisis bulbi	11
Staphyloma	8
Sympathetic ophthalmia	1
Tumor of globe	7
Total	96

Evisceration.

Simple	6
insertion paraffin ball	1
insertion glass ball	2
Total	9

Iris.

Iridectomy	15
glaucoma	23
optical	5
anterior senechiæ	1
preliminary to cataract	4
Iridotomy	9
Prolapsed iris abscised	16
Total	73

Lachrymal Apparatus.

Abscess evacuated	3
Curettage of sac	2
Extirpation of sac	16
Excision of papilloma	1
Probing of duct	1
Total	23

Lids.

Abscess evacuated	3
Cyst removed	1
Cauterization of conjunctiva	1
Entropion	12
Electrolysis	3
Entropion	2
Green's	4
Snellen	2
Epicanthus	1
Plastic	4
Ptosis:	
Pagenstecher	1
Panas	3

Tumor excised	8
Wound sutured	3
Total	48

MISCELLANEOUS.

Adenectomy	4
Cervical adenitis	1
Foreign body in anterior chamber	5
Killian operation	1
Ligation of common carotid	1
Magnet test	5
removal of intra-ocular steel	24
Tonsillectomy	2
Trephining	1
Total	44

MUSCLES.

Advancement:	
external rectus	24
Todd's tuck	1
internal rectus	8
levator palpebræ	2
Tenotomy:	
external rectus	6
internal rectus	3
Total	44

ORBIT.

Abscess evacuated	2
Bands removed	2
Curettage of bone	1
Cyst of cicatrix excised	1
Exenteration	1
Removal of bullet from orbit	1
Thiersch graft	5
Tumor excised	1
Total	14

SCLERA.

Anterior ciliary angiotomy	5
Sclerotomy	8
with magnet	1
Excision of cyst	1
Total	15

LENS.

Capsulotomy	57
Discission	74
attempted extraction	1
extraction in capsule	3
in capsule form with iridectomy	5
simple	18
with button hole of iris,	29
with iridectomy	128
with modified iridotomy	3
with scoop	2
suction	14
Total	334

Total number of operations	752

OUT-PATIENTS.

Abscess, conjunctiva	1
inner canthus	1
lachrymal	8
lid	15
Chalazion	107
Cut of lid	2
Cyst, lid	1
Foreign body, anterior chamber	1
conjunctiva	101
cornea	1,344
sac	1

lens	1
lid	138
sclera	1
Granulation tissue	1
Hordeolum	28
Infected lid	1
Incision of lid	1
Ingrowing eyelash	1
Infarct M. Gland	4
Milium	2
Pinguecula	1
Pterygium	24
Tenotomy	1
Tumor lid	1
Verruca	1
Wen on lid	1
Total	1,789

OPHTHALMIC OUT-PATIENT DEPARTMENT.

DISEASES OF OUT-PATIENTS.

Accommodations and Refraction.	
Asthenopia	41
Astigmatism	4,224
Emmetropia	11
Hypermetropia	4,764
Myopia	427
Presbyopia	1,387
Total	10,854
Conjunctiva.	
Conjunctiva, burn of	93
chemosis	12
cyst of	2
ecchymosis of	79
foreign body in	275
hyperæmia of	59
laceration of	6
lymphangiectasis	4
lymphoid hypertrophy	1
pinguecula	27
ptergyium	86
tumors (unclassified)	2
Conjunctivitis, acute catarrhal	1,695
chronic catarrhal	363
follicular	66
gonorrhœal	40
trachomatous	119
with pannus	55
membranous	1
neonatorum	171
Parinaud's	1
traumatic	64
phlyctenular	480
Total	3,701
Cornea and Sclera.	
Cornea, abrasion of	131
abscess of	12
burn of	59
erosion of	3
foreign body in	1,643
herpes	24
infiltration of	47
injury of	82
opacities	19
leucoma of	176
adherent	8
inflamed	11
maculæ of	51
nebulæ of	141
staphyloma of	6
tumor of	1
Descemetitis	1
Episcleritis	27
Keratitis, bullous	26
dendritic	16
interstitial	60
marginal	10
phlyctenular	257
recurrent	4
superficial	38
simple	37

traumatic	73
ulcerative	432
c̄ hypopyon	57
vascular	9
Kerato-iritis	21
Sclera, foreign body in	3
injury of	21
injury of ciliary region	25
rupture of	7
staphyloma	2
Scleritis	20
Sclero-keratitis	9
Total	3,569

General Injuries.

Blows and cuts	144
Burns	35
Total	179

Glaucoma.

Glaucoma, acute	3
chronic	9
hemorrhagic	1
secondary	6
simplex	34
Total	53

Globe.

Anophthalmos	8
Buphthalmos	3
Disorganized globe	12
Exophthalmos	7
Globe, foreign body in	28
rupture of	8
Panophthalmitis	7
Phthisis bulbi	23
Total	96

Iris, Ciliary Body, and Choroid.

Albinism	1
Choroid, atrophy of	9
coloboma	2
sarcoma of	3
staphyloma	17
Choroiditis	48
Ciliary injection	13
Iris, coloboma of	9
foreign body of	11
gumma of	1
hyperæmia	30
prolapse of	8
synechiæ of anterior	8
posterior	29
Iritis, rheumatic	247
specific	26
traumatic	19
Irido-cyclitis	12
Irido-dialysis	10
Irido-donesis	10
Pupil mydriasis	6
artificial	37
myosis	2
occlusion of	19
Retino-choroiditis	8
Uveitis	1
Total	586

Lachrymal Apparatus.

Abscess	38
Dacryo-cystitis	87
Epiphora	156
Fistula	10
Mucocele	27
Total	318

Lids.

Abscess	44
Blebs	1
Blepharitis	631
Burns	41
Chalazion	370
Cyst	14
Dermatitis	21
Distichiasis	9
Ecchymosis	80
Ectropion	33
Eczema	34
Emphysema	3

Epicanthus	4
Entropion	20
Epithelioma	15
Granulations	1
Hordeolum	204
Lagophthalmus	2
Lipoma	1
Milium	7
Molluscum	1
Nævus	1
Œdema	52
Papilloma	2
Phthriasis	11
Ptosis	32
Symblepharon	11
Trichiasis	30
Tumors	2
Ulcers	4
Verruca	9
Wound	24
Xanthalasma	6
Total	1,720

Lens.

Aphakia	14
Cataract, capsular	22
congenital	19
cretaceous	2
posterior polar	17
immature	52
incipient	145
mature	134
traumatic	39
Lens, foreign body in	1
dislocation of	23
opacities of	53
Total	521

Muscular Affections and Neuroses.

Blepharospasm	8
Diplopia	19
Esophoria	5
Exophoria	18
Exophthalmic goitre	6
Herpes zoster	4
Hyperphoria	1
Nictitation	5
Nystagmus	47
Paralysis, facial	13
sixth	13
third	37
accommodation	16
Photophobia	5
Strabismus, alternating	23
convergent	433
divergent	104
Supra-orbital neuralgia	3
Total	760

Optic Nerve and Retina.

Amblyopia, toxic	49
unclassified	10
Amaurotic, family idiocy	3
Hemeralopia	1
Neuritis	11
Neuro-retinitis	8
Optic nerve, atrophy of	81
Retina, coloboma of	3
degenerative changes in macular region	8
embolism of central artery of	1
glioma of	1
hemorrhages of	13
separation of	21
Retinitis	14
albuminuric	6
pigmentosa	9
Scotoma (unclassified)	30
Total	269

Orbit.

Orbit, abscess of	1
cellulitis of	1
emphysema of	5
tumor of	4
Total	11

Vitreous.	
Hyalitis	4
Muscæ volitantes	6
Vitreous, hemorrhage in	17
opacities of	93
Total	120

Miscellaneous.	
Eloped	11
No diagnosis	231
No disease	73
Referred to other institutions	56
Refused treatment	7
Unfit	1,504
Total	1,882

Other Diseases.	
Eczema	3
Frontal sinus	6
Neurasthenia	3
Tumor of brow	3
Total	15

SUMMARY.

Accommodation and refraction	10,854
Conjunctiva	3,701
Cornea and sclera	3,569
General injuries	179
Glaucoma	53
Globe	96
Iris, ciliary body, and choroid	586
Lachrymal apparatus	318
Lids	1,720
Lens	521
Muscular affections and neuroses	760
Optic nerve and retina	269
Orbit	11
Vitreous	120
Miscellaneous	1,882
Other diseases	15
Total	24,654

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

	R.	B.	L.
Frost-bite auricle, dementia præcox	1	0	0
Carcinoma auricle	1	0	1
Septic perichondritis	0	0	1
Pre-auricular abscess	1	0	0
Post-auricular adenitis suppurative	3	0	1
Epithelioma auricle	2	0	0
Herpes zoster auricle	0	0	1

II. DISEASES OF THE MEATUS.

Otitis externa circumscripta	3	0	3
Otitis externa diffusa	3	1	7
Otitis externa diffusa with eczema	1	0	0
Atresia external auditory meatus	1	0	0
Atresia external auditory meatus with eczema	1	0	0

III. DISEASES OF MIDDLE EAR.

a. *Acute Inflammations.*

Otitis media acuta—simple	2	1	0
with mastoiditis	3	0	1
mastoiditis and otitis externa circumscripta	3	0	0
mastoiditis and otitis externa diffusa	0	0	1
mastoiditis and erysipelas facial	0	0	1
mastoiditis and neurasthenia	0	1	0
otitis externa circumscripta and neurasthenia	1	0	1

b. *Acute Suppurative Inflammations.*

Otitis media suppurativa acuta—simple	1	3	3
with mastoiditis	84	13	79
recurrent	3	0	5
post-aural abscess	28	0	26

	R.	B.	L.
post-aural abscess and scarlet fever	1	0	1
meningitis	0	1	0
pertussis	1	0	0
cervical adenitis	3	1	0
scarlet fever	0	0	1
optic neuritis, photophobia	0	1	0
pregnancy	0	0	1
otitis externa diffusa	0	0	2
facial erysipelas	3	0	3
facial paralysis, epidural abscess	0	0	1
delirium tremens and labyrinthitis acuta	0	0	1
thrombosis lateral sinus	5	0	0
thrombosis lateral sinus metastatic abscess	1	0	1
perisinous abscess and facial paralysis	1	0	0
cerebellar abscess	1	0	0
perisinous abscess	3	0	0
perisinous abscess and extradural abscess	0	0	1
subdural abscess	0	0	1
and Bezold	5	0	4
mastoid fistula	0	0	1
mastoiditis and epilepsy	1	0	0
mastoiditis, post-aural abscess, and osteomyelitis of temporal bone	1	0	0
adenoids and tonsils	2	2	0
meningitis and broncho-pneumonia	0	0	1
mastoiditis, tonsillitis, and torticollis	1	0	0
mastoiditis, aortic and mitral disease, and erysipelas	1	0	0
mastoiditis methhemaglobinemia	1	0	0
mastoiditis, post-aural abscess, measles	1	0	1
mastoiditis, post-aural abscess, facial paralysis	0	0	1
mastoiditis, cerebral abscess—peritonsillar abscess and tonsillitis	0	0	1
recurrent mastoiditis, paralysis of respiratory centre, and left optic neuritis	0	0	1
mastoiditis, multiple abscess, thrombosis internal jugular vein, thrombosis cavernous sinus, and broncho-pneumonia	1	0	0
mastoiditis, erysipelas, meningitis, uræmia	1	0	0
mastoiditis, purulent leptomeningitis, and peritonitis,	1	0	0
mastoiditis, cerebro-spinal meningitis, alcoholism acute, apoplexy, purulent lepto-meningitis	0	0	1
mastoiditis, post-aural abscess, extradural abscess, osteomyelitis temporal bone, and purulent basilar meningitis	0	0	1

	R.	B.	L.
mastoiditis recurrent, post-aural abscess, scarlet fever, mitral regurgitation, and lobar pneumonia	1	0	0
mastoiditis, impetigo contagiosa, eczema auricle, scarlet fever	0	1	0
mastoiditis, lepto-meningitis, basilar meningitis	0	0	1
mastoiditis and tuberculosis	0	1	0

c. *Chronic Suppurative Inflammations.*

Effectus otitis media suppurativa chronica with mastoiditis and alcoholism	1	0	0
Otitis media suppurativa chronica—simple	2	6	0
with acute relapse	2	1	3
pulmonary tuberculosis	1	0	0
otitis externa diffusa	1	2	2
carious ossicles and cholesteatoma	1	0	1
cholesteatoma	2	0	1
optic neuritis—brain tumor	0	1	0
polyp	9	0	4
caries of ossicles	10	0	4
caries of ossicles and polyp in tympanum	2	0	1
labyrinthitis	0	1	0
cervical adenitis	1	0	0
mastoiditis	4	1	5
polyp, extradural abscess, facial paralysis	1	0	0
polyp, facial paralysis	1	0	0
convalescing mastoid wound	0	0	1
atresia canal	1	0	0
general miliary tuberculosis	1	0	0
mastoiditis	4	1	5
and cholesteatoma	8	0	9
post-aural abscess	2	0	0
post-aural abscess, extradural abscess, thrombosis lateral sinus, meningitis	0	0	1
cervical adenitis	1	0	1
cerebral abscess	1	0	2
scarlet fever	0	0	1
perisinous abscess	1	0	0
polyp	1	0	0
recurrent	7	0	5
recurrent tuberculosis, cervical adenitis, facial paralysis	1	0	0
erysipelas of auricle	0	0	1
otitis externa diffusa, eczema of auricle	1	0	0
caries petrous portion of temporal bone	1	0	0

	R.	B.	L.
post-aural abscess, cholesteatoma, Bell's palsy, purulent basilar meningitis . .	1	0	0
recurrent purulent basilar c̄ lepto-meningitis,	0	0	1
purulent meningitis	1	0	0
abscess beneath temporal bone, hæmatoma mastoid, perforation internal jugular vein,	1	0	0
purulent basilar meningitis, perisinous abscess, tempero-sphenoidal abscess . .	1	0	0
left otitis media suppurativa acuta, follicular tonsillitis—peritonsillar abscess . . .	1	0	0
encephalitis and right cholesteatoma c̄ purulent lepto-meningitis	0	1	0
general miliary tuberculosis, cholesteatoma, thrombosis internal jugular vein, tubercular meningitis	1	0	0
lepto-meningitis, cerebellar abscess . . .	0	0	1
Bell's palsy	1	0	0
cholesteatoma and meningitis	0	0	1
facial paralysis	2	0	0
mastoid fistula	1	0	0
caries of ossicles and facial paralysis . . .	0	0	1
polyp, syphilis, and scabies	0	0	1
facial paralysis and cholesteatoma	0	0	1

IV. DISEASES OF LABYRINTH.

Labyrinthitis c̄ traumatic otitis media suppurativa acuta . .	1	0	0
specific	0	1	0

V. DISEASES OF NOSE, NASO-PHARYNX, AND TONSILS.

Deviation of nasal septum	1	0	2
Carcinoma middle turbinate	0	0	2
Fracture old	1	0	0
Adenoids	33	6	0
Adenoids and tonsils	53	5	0
Tonsils	41	0	0
Hypertrophic rhinitis c̄ ethmoiditis acuta	1	0	0
Post-operative hemorrhage	6	0	3
Polypoid middle turbinate c̄ adenoids	0	0	1
Post-operative submucous resection	1	0	0
Tonsillitis	1	0	0
Tuberculosis of tonsil	1	0	0
Deformity of nose	1	0	0
Fibroma naso-pharynx	1	0	0
Diphtheria faucial	1	0	0

VI. DISEASES OF ACCESSORY SINUSES.

a. *Frontal Sinus.*

	R.	B.	L.
Frontal sinusitis acuta	0	1	1
chronica	5	0	2
acuta c̄ ethmoiditis	1	0	0
chronica, ethmoiditis, sphenoiditis, and maxillary sinusitis	0	0	1

b. *Antrum of Highmore.*

Maxillary sinusitis	2	0	2
with frontal sinusitis, hypertrophy turbinates	0	0	1
Acute ethmoiditis c̄ frontal sinusitis	1	0	0
Ethmoiditis chronica	1	0	0

VII. MISCELLANEOUS.

Erysipelas facial	1	0	0
Convalescent mastoid wound	6	0	3
with erysipelas	1	0	0
measles	0	0	1
scarlet fever	1	0	0
exenteration cavity	1	0	0
with post-operative	1	0	0
infection of neck, facial paralysis	1	0	0
Convalescing mastoid wound c̄ neurasthenia	0	0	1
Otitis catarrhalis media adhesive	1	0	0
Streptococcus infection of hand	0	0	1
Multiple nævi non-vascular	1	0	0
Sub-temporal abscess	1	0	0
Fracture base of brain, facial paralysis complete	1	0	0
Retro-pharyngeal abscess	1	0	0
Post-influenza toxæmia	1	0	0
Sub-periosteal abscess	1	0	0
Myositis sternocleido-mastoid	1	0	0
Occipital abscess, pediculosis capitus	1	0	0
Supra-orbital neuralgia	1	0	0
Post-operative cocaine poisoning	1	0	0
Spinal meningitis, brain abscess	1	0	0
Otitis catarrhalis secretory chronica c̄ vertigo	0	1	0
Endothelioma dural region, erysipelas facial	1	0	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

	R.	B.	L.
Amputation	0	0	1
Abscess of lobe incised	0	0	1
Cyst excised	1	0	0
Carcinoma removed	1	0	0
Othæmatoma incised	1	0	3
Plastic	0	0	1

2. Meatus.

Abscess incised	44	2	55
Circumscribed abscess incised	15	1	11
Foreign body removed	5	0	0

3. Tympanum.

Drum membrane, paracentesis	369	145	328
Carious ossicles removed	12	1	10
Granulations in tympanum removed	2	0	0
Polyp removed	43	1	40

4. Nose and Pharynx.

Nose, spur removed	0	21	0
turbinate removed	0	77	0
polypus removed	0	23	0
papilloma removed	0	1	0
cyst removed	0	1	0
fibroma turbinate removed	0	1	0
Deflected septum straightened	0	28	0
Naso-pharynx, adenoids removed	0	397	0
adenoids and tonsils removed	0	566	0
fibroma removed	2	0	0
tonsils removed	0	28	0
Foreign body removed	0	3	0
Fracture nasal bone (reduction)	0	2	0
Sub-mucous operations (spurs and septum)	0	56	0
Adhesions Eustachian tubes freed	0	4	0
Retro-pharyngeal abscess incised	0	1	0
Ethmoids curetted	0	3	0
Peritonsillar abscess incised	0	4	0
Frontal sinus	5	0	2
Maxillary antrum	0	3	0

5. Mastoid Region.

	R.	B.	L.
Abscess post-aural incised	15	0	17
Cervical abscess incised	1	0	1
Cervical glands incised	2	0	0
Mastoid operations	105	0	96
with brain abscess	4	0	0
operation with tying of jugular	1	0	0
operation with skin graft	3	0	0
Ligation of jugular vein	4	0	1
Skin graft	17	0	8

Miscellaneous.

Various operations	4	0	1
Tongue-tie (freed)	0	2	0

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

1. Auricle.

a. *Inflammations.*

	R.	B.	L.
Abscess	0	0	1
Abscess of lobe	1	0	0
Abscess of tragus	1	0	0
Abscess of concha	0	0	1
Congelatio	3	4	1
Dermatitis	7	1	2
Eczema	59	18	72
Erysipelas	1	0	2
Hæmatoma traumatica	1	0	3
Herpes zoster	2	0	1
Impetigo	1	0	0
Intertrigo	1	0	1
Perichondritis	3	0	4
Lupus	1	0	0

b. *Deformities.*

Microtia	1	0	1
Congenital fistula of auricle	2	0	0
Congenital lop ears	0	3	0

c. *Neoplasms.*

	R.	B.	L.
Cyst of auricle	3	0	0
Cyst of lobe	2	1	1
Epithelioma	1	0	1
Papilloma	0	0	1
Sarcoma	0	0	1
Carcinoma	2	1	1

d. *Trauma.*

Auricle	1	0	2

2. MEATUS.

Cerumen	471	995	651
Trauma	0	0	1
Atresia	3	1	2
Abscess	1	0	1
Eczema	32	8	31
Pruritus	2	0	1
Acute diffuse inflammation	12	0	16
Chronic diffuse inflammation	1	0	2
Acute circumscribed inflammation	129	19	67
Foreign body (animate)	8	0	10
Foreign body (inanimate)	10	0	2

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	4	0	1
Trauma indirect	0	0	1
Myringitis	0	0	1

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhal Inflammation.*

Mucous	239	260	165
With adenoids	130	160	82

Chronic Secretory Catarrhal Inflammation.

Mucous	275	995	370
With adenoids	147	165	163
With labyrinthine disease	2	0	4

b. *Adhesive Catarrhal Inflammation.*

Secretory	60	201	170
Secretory with labyrinthine disease	8	14	5

c. *Acute Inflammation.*

	R.	B.	L.
Simple	505	207	297
With adenoids	36	21	47
mastoiditis	71	0	51
facial paralysis	1	0	2
meningitis	3	1	0
post-aural abscess	2	0	4
mastoid abscess	2	0	3
circumscribed abscess	4	0	7
sub-periosteal abscess	1	0	0

d. *Acute Suppurative Inflammation.*

Simple	262	188	205
With caries of mastoid	0	0	1
cervical abscess	1	0	0
circumscribed abscess	7	0	10
mastoiditis	159	7	96
and meningitis	0	0	1
and facial paralysis	3	0	5
mastoid fistula	1	0	2
post-aural abscess	27	0	25
facial paralysis	2	0	0
adenoids	41	8	65
atresia canal	1	1	1
brain abscess	0	0	1

e. *Chronic Suppurative Inflammation.*

Simple	404	207	375
caries of mastoid	0	0	1
mastoiditis	39	0	22
and facial paralysis	1	0	3
and meningitis	2	0	2
mastoid fistula	2	0	4
atresia canal	1	0	0
torticollis	0	0	1
caries of the ossicles	21	0	40
caries of the ossicles and polyp in tympanum	1	0	0
facial paralysis	2	0	1
polyp in the tympanum	42	15	35
granulations in the tympanum	15	4	24
polypus in tympanum and meningitis	1	0	0
post-aural abscess	4	0	1
adenoids	29	27	37

	R.	B.	L.
Effect of suppurative inflammation	264	147	210
labyrinthine disease	1	0	2
adenoids	14	0	27

IV. NEUROSIS OF MIDDLE EAR.

Otalgia from teeth	20	0	27
pharynx	2	0	1

V. DISEASES OF THE LABYRINTH.

Labyrinthitis	7	8	12
Anæmia	0	1	1
Concussion	1	0	2

MISCELLANEOUS.

Atresia (nasal duct)	0	2	0
Adenoids and tonsils	0	185	0
Adenoids	0	156	0
Hypertrophic rhinitis	0	132	0
Atrophic rhinitis	0	79	0
Purulent rhinitis	0	72	0
Epithelioma (nose)	0	1	0
Acne (nose)	0	1	0
Peritonsillar abscess	0	10	0
Polyp (nose)	0	21	0
Spur (nose)	0	99	0
Foreign body (nose)	0	5	0
Deaf-mutism	0	30	0
Deflected septum	0	145	0
Frontal sinus (acute)	31	0	19
(chronic)	8	0	5
Ethmoiditis	0	38	0
Sphenoiditis	0	4	0
Acute pharyngitis	0	57	0
Chronic pharyngitis	0	39	0
Abscess septum	0	1	0
Carcinoma larynx	0	1	0
Hypertrophy turbinate	0	117	0
Adenitis	0	30	0
Fibroma naso-pharynx	0	1	0
Œdema uvula	0	2	0
Deformity (nose)	0	4	0
Trauma (nose)	0	1	0
Tumor septum	0	2	0

	R.	B.	L.
Epistaxis	0	5	0
Eczema (nose)	0	10	0
Specific nose and throat	0	5	0
Ulceration uvula and palate	0	2	0
septum	0	7	0
pharynx	0	1	0
Parotid tumor	0	2	0
Verruca (nose)	0	1	0
Tongue-tie	0	5	0
Lingual tonsils	0	1	0
Antrum of highmore	0	5	0
Leukoplakia roof of tongue	0	1	0
Eloped	0	21	0
No diagnosis	0	19	0
No ear disease	0	35	0

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-graduate Course at the Infirmary.

The new hospital building, opened in March, 1899, affords exceptional opportunity for training in the special nursing of the diseases of the eye and ear.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-patient Department, operating, sterilizing, and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school, for which they will be charged the cost of making.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch, should they desire.

The remuneration is $72 for the course.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

DONATIONS IN 1906–1907.

The Managers desire to acknowledge the receipt of the following donations in 1906–07:—

Medical Journals for the Surgeons' Library, from Dr. B. Joy Jeffries.

Medical Journals for the Surgeons' Library, from Dr. Myles Standish.

Twelve Art Club tickets for nurses, from Dr. Myles Standish.

Thirty-six concert and Art Club tickets for nurses, from Dr. George A. Webster.

Forty-eight knit bandages, from Miss Prentiss.

Twenty-four knit bandages, from Mrs. Richard Staigg.

Old linen, from Mrs. Jordan.

Old linen, from Mrs. Edgar Harding.

Twelve children's tires, from the Needlework Guild of the Arlington Street Church.

Ice-cream, from Mrs. Louis Starr.

Flowers, from Dr. Farrar Cobb.

Flowers, from Dr. Fred M. Spalding.

Flowers, from Mr. Jason S. Bailey.

Flowers, Rev. E. F. McLeod.

Flowers, from Boston Flower Mission.

Flowers, from the Arlington Street Church.

Flowers, from the Herford Club, through Mrs. Dana de Cordova.

Magazines, from Mr. C. H. Burnham, Jr.

Twenty-five dollars, from Mr. D. F. Murphy.

One Akou-Massage apparatus, from Miss Mary P. Winsor.

Five ear trumpets, from Mrs. D. S. Greenough.

Spectacles and eye-glasses, from Mrs. Allen Curtis.

Spectacles and eye-glasses, from Mrs. Francis Green.

Spectacles and eye-glasses, from Dr. C. J. Blake.

Spectacles and eye-glasses, from Mrs. Edgar Harding.

Through the kindness of Dr. John Dixwell the house patients were treated to a musical entertainment on Dec. 12, 1906.

Through the kindness and generosity of the following persons we were enabled to have a large Christmas tree, with presents for over two hundred patients and employees:—

Mr. Augustus Hemenway, Mr. George P. Gardner, Mr. Henry Parkman, Mr. William D. Sohier, Mr. William H. Seabury, Mr. Robert Homans, Mr. William S. Spaulding, Dr. George B. Shattuck, Mr. William C. Endicott, Mr. Russell G. Fessenden, Mr. Herbert M. Sears, Mrs. C. P. Curtis, Mr. Frank A. Day, Mr. Harvey Clap, Mr. Charles English, Mr. Childs, Miss M. Emma Roberts, and Mr. H. W. Morse.

EIGHTY-THIRD ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1908

THE

Massachusetts Charitable Eye and Ear Infirmary.

233 Charles Street, cor. Fruit Street, Boston.

OUT-PATIENT DEPARTMENT

The Out-patient Department and Dispensary is open *daily*, except Sundays and legal holidays, from 9 to 10.30 A.M., for the examination and treatment of all **poor persons** affected with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but no prescription or advice will be sent by mail, express, or messenger. Out Patients will be charged 10 cents for each visit.

HOSPITAL.

Persons recommended for admission to the hospital wards must apply at the Superintendent's office between 10 and 11 A.M. and 2 and 3 P.M. ON WEEK-DAYS ONLY.

Accident and emergency cases admitted at any time.

All communications in regard to the Infirmary or in regard to any inmate must be addressed to the Superintendent.

Persons admitted to the wards as in-patients will be charged for board at the rate of ten dollars per week, three weeks payable in advance, unless some special arrangement is made by the Superintendent.

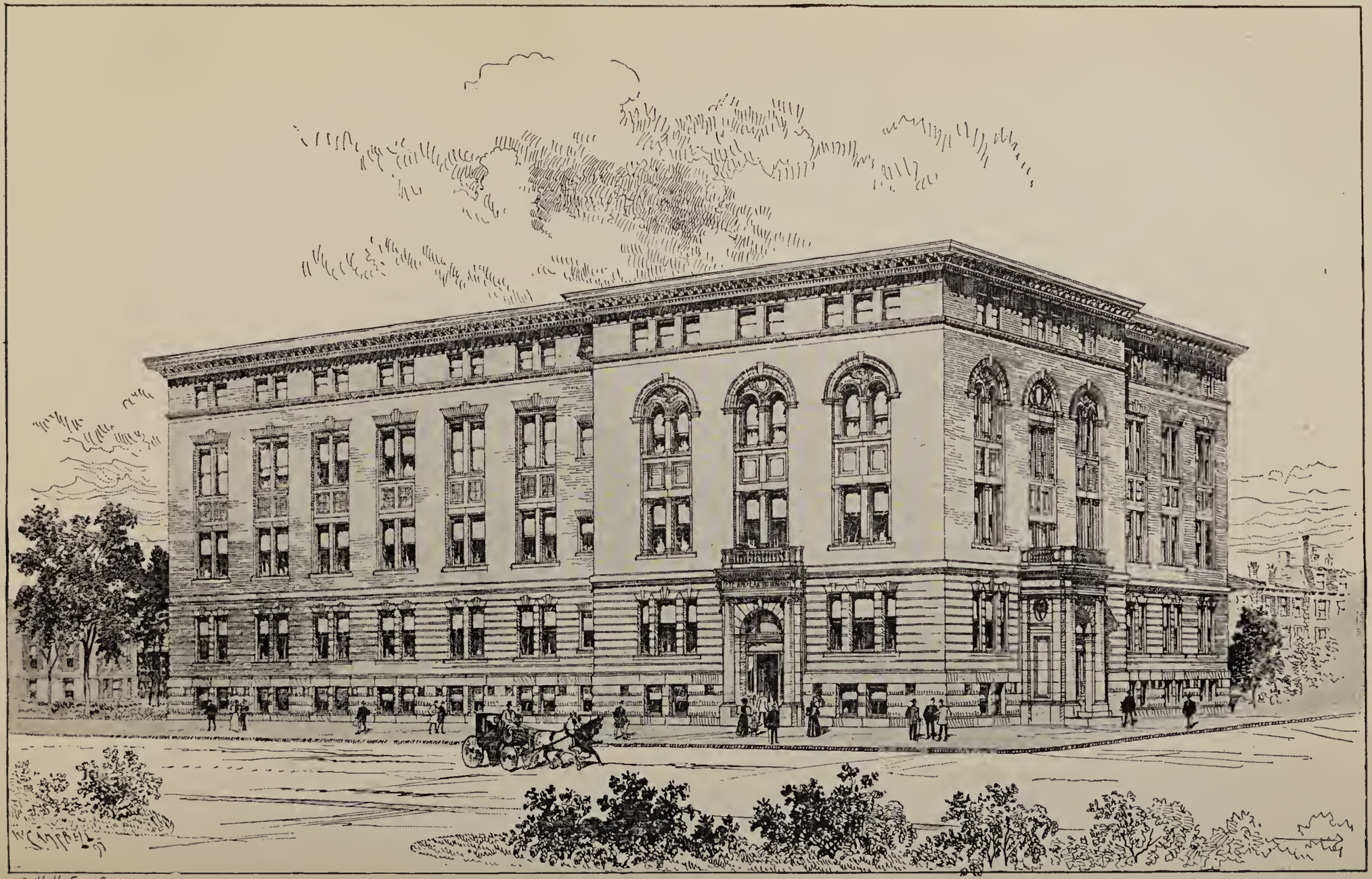
Less than $10 per week may be accepted in such cases as shall be considered proper.

Poor citizens of Massachusetts may be admitted to free beds.

Visitors will be admitted to see patients on Tuesdays, Thursdays, Saturdays, and Sundays, from 2 to 3 P.M. Only one visitor allowed to each patient. Children can be visited on Sundays only.

The abuse of the privileges of the Infirmary by a large and increasing class of the community makes it necessary to call especial attention to the fact that the Massachusetts Charitable Eye and Ear Infirmary is designed wholly for the **poor and needy,** and *under no circumstances* for those who are not proper subjects for charitable treatment.

The Infirmary reserves the right to investigate any case.



Suffolk Eng. Co Boston

EIGHTY-THIRD ANNUAL REPORT

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY

FOR THE YEAR

1908

BOSTON
GEO. H. ELLIS CO., PRINTERS, 272 CONGRESS STREET
1909

OFFICERS

OF THE

MASSACHUSETTS CHARITABLE

EYE AND EAR INFIRMARY.

BOARD OF MANAGERS, 1908-1909.

AUGUSTUS HEMENWAY.
Feb. 5, 1878.

GEORGE P. GARDNER.
Feb. 1, 1887.

HENRY PARKMAN.
May 2, 1893.

* WILLIAM D. SOHIER.
Jan. 7, 1896.

WILLIAM H. SEABURY.
Oct. 27, 1898.

ROBERT HOMANS.
May 1, 1900.

WILLIAM S. SPAULDING.
Feb. 4, 1902.

DR. GEORGE B. SHATTUCK.
Oct. 30, 1902.

WILLIAM C. ENDICOTT.
Feb. 3, 1903.

RUSSELL G. FESSENDEN.
Feb. 3, 1903.

HERBERT M. SEARS.
Dec. 20, 1905.

CHARLES P. CURTIS.
Feb. 5, 1907.

ROBERT H. STEVENSON, JR.
Feb. 5, 1907.

* JOHN LAWRENCE.
Feb. 5, 1907.

President.

DR. GEORGE B. SHATTUCK.

Secretary.

ROBERT HOMANS, 1035 EXCHANGE BUILDING, 53 STATE STREET, BOSTON.

Treasurer.

HENRY PARKMAN, 53 STATE STREET, BOSTON.

Executive Committee.

GEORGE P. GARDNER. WILLIAM H. SEABURY.
HERBERT M. SEARS.

Finance Committee.

WILLIAM S. SPAULDING. WILLIAM C. ENDICOTT.
RUSSELL G. FESSENDEN.

* Appointed by the Commonwealth.

Visiting Committees.

January,	Mr. SEABURY.	July,	Mr. PARKMAN.
	Mr. HEMENWAY.		Mr. STEVENSON.
February,	Mr. HEMENWAY.	August,	Mr. STEVENSON.
	Dr. SHATTUCK.		Mr. CURTIS.
March,	Dr. SHATTUCK.	September,	Mr. CURTIS.
	Mr. SPAULDING.		Mr. FESSENDEN.
April,	Mr. SPAULDING.	October,	Mr. FESSENDEN.
	Mr. HOMANS.		Mr. ENDICOTT.
May,	Mr. HOMANS.	November,	Mr. ENDICOTT.
	Mr. SEARS.		Mr. GARDNER.
June,	Mr. SEARS.	December,	Mr. GARDNER.
	Mr. PARKMAN.		Mr. SEABURY.

SURGICAL BOARD.

Consulting Surgeons.

HASKET DERBY, M.D.
HENRY L. SHAW, M.D.
SAMUEL J. MIXTER, M.D.
HENRY W. BRADFORD, M.D.
B. JOY JEFFRIES, M.D.
J. ORNE GREEN, M.D.
CLARENCE J. BLAKE, M.D.
OLIVER F. WADSWORTH, M.D.
LINCOLN DAVIS, M.D.

Ophthalmic Surgeons.

H. BECKLES CHANDLER, M.D.
MYLES STANDISH, M.D.
FREDERICK E. CHENEY, M.D.
EDWIN E. JACK, M.D.
ALEXANDER QUACKENBOSS, M.D.
HENRY H. HASKELL, M.D.

Aural Surgeons.

FREDERICK L. JACK, M.D.
EDWARD M. PLUMMER, M.D.
EUGENE A. CROCKETT, M.D.
PHILIP HAMMOND, M.D.

Assistant Ophthalmic Surgeons.

EDMUND W. CLAP, M.D.
FRED M. SPALDING, M.D.
A. GARDNER MORSE, M.D.
LEON W. MANSUR, M.D.
ELWOOD T. EASTON, M.D.
FREDERICK H. VERHOEFF, M.D.

Assistant Aural Surgeons.

GEORGE A. WEBSTER, M.D.
D. HAROLD WALKER, M.D.
HARRIS P. MOSHER, M.D.
ALFRED M. AMADON, M.D.
WILLIAM F. KNOWLES, M.D.
GEORGE H. POWERS, Jr., M.D.
GEORGE L. TOBEY, Jr., M.D.

Ophthalmic Clinical Assistants.

CHARLES D. JONES, M.D.
ROBERT G. LORING, M.D.
PATRICK F. KELLEHER, M.D.
PETER H. THOMPSON, M.D.
SAMUEL J. McDONALD, M.D.
GEORGE S. DERBY, M.D.
WILLIAM MADDEN, M.D.
W. HOLBROOK LOWELL, M.D.
GEORGE H. RYDER, M.D.
EDWARD K. ELLIS, M.D.
P. SOMERS SMYTH, M.D.
MINOT F. DAVIS, M.D.
EDWARD HARTSHORN, M.D.
CARL FISHER, M.D.
EDWARD D. HURLEY, M.D.
RALPH A. HATCH, M.D.

Aural Clinical Assistants.

FRANCIS P. EMERSON, M.D.
BERTRAM H. CASWELL, M.D.
DANA W. DRURY, M.D.
CALVIN B. FAUNCE, Jr., M.D.
PERCY C. PROCTOR, M.D.
TIMOTHY J. SHANAHAN, M.D.

Pathologist.

FREDERICK H. VERHOEFF, M.D.

Consulting Neurologist to Aural Department.

JAMES J. PUTNAM, M.D.

Consulting Physicians.

WILLIAM H. SMITH, M.D. WILDER TILESTON, M.D.

HOUSE STAFF.

Ophthalmic House Surgeons.

FREDERICK FRISCH, M.D. HENRY H. HAWKINS, M.D.

Ophthalmic Externe.

FREDERICK J. McINTIRE, M.D.

Aural House Surgeons.

WILLIAM W. HENNESSEY, M.D. STANWOOD E. FISHER, M.D.

Aural Externe.

JOHN L. LOUGEE, M.D.

EXECUTIVE OFFICERS.

Superintendent.

FARRAR COBB, M.D.

Matron and Superintendent of Nurses.

MARY COONAHAN.

Apothecary.

HOWARD W. MORSE.

Assistant to the Superintendent.

JOHN G. SCHROEDER.

Assistant Matron.

HARRIET L. HARRIS.

Supervisor.

MITCHELL A. DEARBORN.

Opticians.

ANDREW J. LLOYD COMPANY.

REPORT OF THE BOARD OF MANAGERS

OF THE

Massachusetts Charitable Eye and Ear Infirmary.

The year ending Sept. 30, 1908, has been the busiest in the history of the institution. The new hospital buildings opened in the spring of 1899 have been crowded. The total number of patients treated in the wards was 3,169, of which number 1,446 were children under fourteen years of age. The total number of days' board furnished to patients was 48,545, of which 29,086 were free, and only 19,254 were paid.

A comparison of the first year in the new buildings with the year just passed is of interest in showing the great increase in the amount of work done by the institution in nine years. In 1900 there were 2,180 patients treated in the wards; in 1908, 3,169, an increase of nearly a thousand house patients. The daily average of patients treated in the wards was 122 in 1900, and 133 in 1908. The total out-patient attendance during the year was 78,493, an increase of over five thousand.

The Board of Managers feel that the great work of the Infirmary in contagious ophthalmia cannot be too strongly emphasized. It is of the utmost value sociologically. It saves the community and the Commonwealth annually a large amount of money in the prevention of blindness. The Managers wish to call attention again to the fact that the Gardner Building for the treatment of contagious diseases of the eye is the largest and most important special building for this work of any known institution. During the past year we treated in this building 290 patients. One of the most important parts of the work of the Social Service Department,

to which attention will be called later, has been in the following up of cases of contagious ophthalmia, especially in infants after they were discharged from the institution.

It has been impossible for the past two or three years to admit all patients recommended for admission, because of lack of beds. Very frequently temporary beds in etherizing rooms and Out-patient Department have been used. During the last year more patients than ever before were refused admission. At the present time there are over two hundred operative cases on the waiting list. It should be stated, however, that no emergency cases have been refused admission at any time.

The total number of beds for patients is 160. Of this number twenty-five are restricted to the use of contagious cases in the special building. Thirty beds are for children only, leaving seventy-five beds for adult eye cases and thirty beds for adult ear cases. This apportionment of beds is entirely inadequate for the large number of severe eye and ear cases which should be admitted to the wards, if only for a short time, to carry them through the acute or dangerous stage of the disease.

During the past year over three hundred patients were admitted to the eye wards suffering from severe injuries, and practically one-half of the ear cases required immediate operation. These conditions have greatly restricted the use of the wards to injuries and emergency cases.

A year ago the Board of Managers had called to their attention by the Surgeons and Superintendent the great need of more beds and more room for the proper treatment of cases, also the need of providing facilities for treating patients out of doors. Recognizing the immediate need of providing increased room, also the need of special wards and outdoor facilities, the Board has carefully considered various plans and ways and means, and has voted to erect a nurses' and domestic servants' building on a portion of the old Infirmary property, on the corner of Charles and Cambridge Streets, large enough to house properly about a hundred nurses and other

employees. Plans for the new building have been completed by Page & Frothingham, architects, and work upon the building has already begun. When this new building is completed and equipped at the end of the next twelve months, it will be possible to alter the top floor of the present building, which has been occupied by nurses and servants, so as to provide about fifty more beds in wards and rooms for patients with much-needed operating and treatment rooms. The adaptation of the roof of the building for outdoor treatment of patients is also under consideration.

Each year the problem of running the Infirmary to satisfy the demands of the community without an excessive annual deficit is becoming more and more difficult. Curtailing the work of the institution would inflict hardship and suffering on the ever-increasing number of poor and needy. Injuries to the eye and severe cases of mastoid disease take from the poor man willing to work the ability to maintain himself and family, and the aim of the institution is to restore him to a state of self-support.

During the year past the cost of maintenance was somewhat more than in previous years because of necessary improvements and repairs to the buildings, of increased cost of food supplies, and the absolute necessity of meeting the demands of nurses and servants for increased wages. With the enlargement of the institution, after the erection of the nurses' home as described above, the cost of maintenance must be considerably increased. The Board of Managers feel that the work of the institution is of the greatest importance to the community and Commonwealth, and this year, because of the enlargement of the institution and the extra amount of work done, make a special plea for contributions and bequests.

The Board of Managers wish to acknowledge the great importance of the Social Service Department of the institution, which is beginning its second year's work under the charge of Miss Brannick. It is recognized by the Managers that

ultimately, when sufficient means are forthcoming, this department should be a recognized and formal part of the hospital policy.

During the past year 8,013½ feet of land were sold to the Charles River Basin Commission for park purposes for the sum of $50,067.50.

The Managers desire to acknowledge the following gifts and legacies received during the year:—

Gift of George Dexter	$100.00
Gift of F. W. Hunnewell	100 .00
Gift of "F., Jr."	25.00
Balance of legacy, Sarah E. Potter	9,090.10
Legacy, J. Putnam Bradlee	143,033.28

and 250 shares of the preferred stock of the Ballardvale Mills.

CHARLES P. CURTIS,
ROBERT H. STEVENSON, Jr.,
Committee of the Board of Managers.

REPORT OF THE TREASURER.

INCOME RECEIPTS AND DISBURSEMENTS

For the Year ending Sept. 30, 1908.

INCOME.

RECEIPTS:

Income from investments		$22,007.76
Appropriation from State		35,000.00
Rebate on bank tax		77.36
Income from trustees, will of E. V. Ashton		1,550.00
Income from estate of Robert B. Brigham		1,000.00
Gifts for running expenses		225.00
From Superintendent, as per his report:		
Board of patients	$7,763.10	
Opticians' account	5,057.80	
Medicines	8,175.00	
Out-patient visits	5,819.20	
Sundries	502.05	
		27,317.15
		$87,177.27
Excess of expenditures over receipts		7,812.93
		$94,990.20

EXPENDITURES.

Running expenses per account of Superintendent		$91,173.88
Additional expenses, per account of Treasurer:		
City of Boston, taxes on old Infirmary	$1,562.00	
Insurance premiums	620.00	
Lawyers' fees, examination of deeds, etc.	125.00	
Printing and annual meeting notices and postage	350.08	
Accrued interest on bonds, etc., purchased	373.34	
Sundries	285.90	
Commission on sale of land	500.00	
		3,816.32
		$94,990.20

REPORT OF THE SUPERINTENDENT.

STATISTICS OF HOUSE PATIENTS.

The total number of patients treated in the wards was 3,169.

Of the 3,169 house patients, 1,873 were males and 1,296 were females.

Number of patients treated in Ophthalmic Wards . .	1,524
Number of patients treated in Aural Wards	1,645

Of this number 290 were treated in the Gardner Building for contagious diseases. 124 of these were infants under one and one-half years. A report on the special work in the Gardner Building follows later. The daily average number of patients treated in this building was 14.

Of the total number of patients treated in the wards 1,446 were children under fourteen years of age.

The daily average number of patients treated in the wards was 133.

The largest number of house patients treated on any one day was 156; the smallest number, 94.

Number of free patients admitted	1,725
Paying patients at $6 per week	614
Paying patients at more than $6 per week	236
Paying patients at less than $6 per week	466
Patients remaining in wards Sept. 30, 1907	128

The average rate paid per week per pay patient was $5.28.

The average stay per patient in the hospital under treatment was 15 days.

During the year 900 patients were refused admission for

want of accommodation. Of this number 721 were subsequently admitted.

48,545 days' board was furnished to patients. 19,254 days were paid, and 29,086 were free.

RESIDENCES OF HOUSE PATIENTS.

Boston	1,295	Vermont	12
Mass. (excepting Boston)	1,760	Rhode Island	7
Maine	15	Connecticut	2
New Hampshire	70	Other countries	8
			3,169

OCCUPATIONS OF HOUSE PATIENTS.

MALES.

Agents	11	Orderlies	3
Bakers	9	Painters and glaziers	15
Barbers	8	Pedlers	17
Blacksmiths	17	Porters	5
Bookbinders	2	Policemen	3
Book-keepers	5	Physicians and dentists	3
Butchers	3	Plumbers and steam-fitters	14
Carpenters and wood-workers	40	Printers and compositors	4
Chauffeurs	2	Railroad employees	26
Clergymen	3	Roofer	1
Clerks	44	Salesmen	9
Coachmen and hostlers	11	Seamen and fishermen	16
Cooks	8	Shippers	4
Draughtsman	1	Shoemakers	21
Electricians	6	Soldiers	6
Engineers	12	Stone-cutters	27
Engravers	1	Storekeepers	6
Farmers	31	Students	11
Firemen	11	Tailors	11
Gardeners	4	Teachers	2
Janitors	8	Teamsters	37
Laborers	228	Telegraph operators	3
Laundrymen	3	Waiters	12
Machinists	57	Watchmen	8
Masons	15	Undertakers	2
Metal workers and moulders	26	Unclassified	21
Mill and factory operatives	120	Minors	898
Musicians	2		1,873

FEMALES.

Clerks	7	Saleswomen	5
Domestics	86	Stenographers	4
Dressmakers and seamstresses	24	Students	1
Housewives	251	Teachers	4
Hair-dressers	2	Waitresses	8
Mill and factory operatives	47	Minors	831
Nurses	26		1,296

CONDITION OF HOUSE PATIENTS AT DISCHARGE.

2,126 were well.
636 were relieved.
76 were not relieved.
77 left against advice.
47 were not treated.
36 died.
1 eloped.
27 were transferred to other hospitals for other diseases.
143 remaining in hospital Sept. 30, 1908.

NUMBER OF OPERATIONS.

In the Ophthalmic Departments there were 807 operations performed in the house, and 1,932 in the Out-patient Department.

In the Aural Departments there were 1,405 operations performed in the house, and 2,172 in the Out-patient Department.

SPECIAL REPORT ON THE WORK OF THE GARDNER BUILDING.

During the past year 290 patients were treated in the special wards of the Gardner Building. Of these there were 101 cases of gonorrhœal ophthalmia, 8 occurring in adults, 6 in children, and 87 in infants soon after birth. There were 52 cases of purulent ophthalmia, non-gonorrhœal: 5 of these were in adults, 11 in children, and 36 in infants. At the time of entrance the cornea was involved in 36 of the gonorrhœal cases, of which 6 were in adults, 3 in children, and 15 in infants. The cornea became involved in but 6 cases after admission: 2 of these were in adults, and 4 in children.

Saemisch's operation was performed 4 times.

14 cases of specific iritis with active secondary lesions of the disease were treated. There were also 9 cases of trachoma, 6 cases of acute conjunctivitis in immigrants, 7 cases of phlyctenular conjunctivitis, 5 of ulcerative keratitis, and 2 of interstitial keratitis.

94 patients were transferred to the Gardner Building for measles, scarlet fever, pertussis, erysipelas, and other infectious diseases which manifested themselves in the general wards of the hospital.

OUT-PATIENT DEPARTMENT.

New patients treated:—

Ophthalmic:	Males	12,123	
	Females	8,990	
			21,113
Aural:	Males	5,571	
	Females	3,878	
			9,449
	Total		30,562

Number of old patients treated in the Out-patient Department was:—

Ophthalmic	25,202	
Aural	22,729	
		47,931
Total visits in Out-patient Department		78,493

RESIDENCES OF OUT-PATIENTS.

Boston	17,085	Vermont	21
Mass. (excepting Boston)	13,175	Rhode Island	21
Maine	56	Connecticut	14
New Hampshire	176	Other States	14
			30,562

OCCUPATIONS OF OUT-PATIENTS.

Actors	9
Agents	86
Artists	11
Barbers	117
Bakers	73
Blacksmiths	111
Bookbinders	66
Book-keepers	69
Butchers	88
Carpenters	472
Clergymen	11
Clerks	1,372
Coachmen and hostlers	70
Compositors and printers	124
Domestics	1,107
Draughtsmen	5
Electricians	97
Engineers	97
Engravers	98
Farmers	134
Firemen	170
Fishermen and seamen	84
Hotel and lodging-house keepers,	77
Housewives	4,191
Laborers	1,800
Lawyers	2
Masons	57
Messengers	62
Machinists	887
Milliners	52
Mill and factory employees	3,555
Moulders	17
Musicians	30
Nurses	116
Painters	256
Pedlers	367
Pensioners	4
Photographers	32
Physicians	10
Plumbers	99
Policemen and letter-carriers	87
Porters	128
Railroad employees	520
Soldiers	84
Seamstresses	418
Shoemakers	538
Stenographers	102
Stone-cutters	199
Storekeepers	147
Students	98
Tailors	485
Teachers	112
Teamsters	582
Telephone and telegraph operators	79
Waiters	200
Wood-workers	144
Unclassified	1,390
Minors	9,164
	30,562

EXPENDITURES FOR 1908.

The total expenditure by the Superintendent has been $91,-173.88, which is itemized as follows:—

Provisions		$18,173.58
Meat, fish, and poultry	$6,144.73	
Fruit and vegetables	2,322.12	
Bread and flour	1,282.92	
Milk	2,522.32	
Groceries	2,993.23	
Butter and eggs	2,908.26	
Wines, liquors, and alcohol		288.46
Water rates		1,334.60
Soap		473.24
Gas		318.32
Ice		876.15
Heat, light, and power		5,887.42
Fuel (kitchen)		492.65
Medicines and dispensary		4,242.10
Furniture		812.03
Stationery and printing		779.01
Wages		37,366.17
Officers	8,338.30	
Housekeeper	310.15	
Clerks (Superintendent's office, Out-patient Department, and telephone)	2,303.86	
Engineers	1,091.02	
Carpenters and painters	2,233.44	
Laboratory assistant	480.00	
Ward masters, orderlies, and porters	7,665.51	
Assistant apothecary	624.00	
Elevator man	300.00	
Head and operating room nurses	3,375.48	
Post-graduate nurses	772.00	
Special nurses	880.40	
Attendant nurses	3,520.21	
Kitchen and dining-room employees	2,017.58	
Laundresses	1,680.77	

General women	$1,547.77	
Seamstress	225.68	
Optical and surgical instruments and repairs		$1,532.60
Spectacles and eye-glasses furnished free to wards of the State of Massachusetts		404.75
Repairs and improvements		9,269.02
Plumbing	134.18	
Laundry	144.56	
Steam plant	537.49	
Electric plant	483.29	
Sterilizing apparatus	143.50	
Carpentering	600.45	
Painting and glazing	575.64	
Kitchen cooking apparatus and new range	363.03	
Elevator	162.54	
Furniture and bedding	544.40	
Locks, keys, and hardware	139.48	
Care of ward floors	187.47	
New surgical dressing sterilizer	234.00	
Fire extinguisher	27.00	
Grounds	14.15	
Fireproof doors	85.00	
New clothes-wringer in laundry	116.25	
Fly screens for windows and doors	974.40	
Remodelling three bath and toilet rooms, third floor, and nurses' pantry	3,802.19	
House, ward, and surgical supplies		7,256.82
Kitchen and dining-rooms	163.53	
Linen-room	1,083.60	
Surgical and ward supplies	4,643.01	
Laundry supplies	140.01	
Bacteriological laboratory supplies	117.41	
General supplies	225.14	
Uniforms:		
Doctors	156.50	
Orderlies	215.70	
Patients	511.92	
Contingent and sundries		1,566.96
Sundries and training school	288.24	
Surgeons' library	88.75	
Nurses' library	22.65	
Postage and express	89.12	
Telephone	469.11	
Laboratory	18.14	
Advertising	112.00	

X-ray plates (Mass. General Hospital)	$191.00
Office	122.95
Apothecary	84.00
Grounds	15.00
Nurses' room rent	66.00

The value of stock on hand Oct. 1, 1908, was:—

House and surgical supplies	$4,220.30	
Drugs and medicines	2,226.34	
Provisions	465.87	
	$6,912.51	
The value of stock on hand Oct. 1, 1907, was		$7,299.26
The value of stock on hand Oct. 1, 1908, was		6,912.51
		$386.75

Adding the difference in value of stock on hand Oct. 1, 1908, $386.75, and Oct. 1, 1907, gives the cost of maintenance per house patient per week as $13.16. The cost of maintenance per inmate per week was $7.70. The cost of uncooked food supplies for all persons, including patients and the entire household at the hospital, was $18,173.58.

The daily average number of patients was 133; of officers and employees, including house and nursing staff, 95; or a total daily average of 228 persons. The number of weeks' board of all persons was 11,888, and the weekly cost per person for uncooked food supplies was $1.54, or 22 cents per day.

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

During the past year ninety lectures and classes were given by the Surgical Staff, the House Staff, and the Superintendent of Nurses. The subjects covered were the Anatomy and Physiology of the Eye, Ear, Nose, and Throat, Clinical Diseases and Surgery of the same, Refraction, Aural and Ophthalmic Nursing, and special nursing of Brain Abscess, and the Ear in Art and History. Eight lectures were given on the Hospital Formulary, three on Contagious Diseases, two on Method of Teaching the Blind, one on Teaching the Deaf, one on the Care of Infants, and one on the Nurse as a Social Worker. Special and individual instruction was given in sterilizing, etherizing, operating-room technique, and the preparation of infants' food.

The number of post-graduate and pupil nurses taking the course was 22. 17 graduates received the diploma of the school. 40 applications for the course were received during the year.

In addition to the regular special training, instruction in hospital management has been inaugurated. The practical details of the duties of an executive nurse in charge of a floor or ward have been taught by the permanent head nurses. The opportunity to teach pupil nurses in class and a number of lectures on hospital organization, management, buying, etc., have been given.

A COMPARATIVE REPORT OF THE WORK OF THE INFIRMARY FOR THE LAST TEN YEARS.

Report of the House and Out-patient Departments from Sept. 30, 1899, to Oct. 1, 1908, showing the yearly increase in the number of patients treated in each department, also the total number of patients treated in both departments during the past ten years:—

	House Patients Ophthalmic.	*House Patients Aural.*	*Out-patients Ophthalmic.*	*Out-patients Aural.*	*Total.*
1899	1,321	506	17,619	6,331	25,777
1900	1,569	611	19,435	6,812	28,427
1901	1,538	840	21,880	7,170	31,428
1902	1,483	750	22,839	7,180	32,252
1903	1,548	975	23,614	7,876	34,013
1904	1,546	1,269	23,943	8,782	35,540
1905	1,651	1,251	23,498	8,919	35,319
1906	1,611	1,305	23,353	8,213	34,482
1907	1,628	1,578	24,012	8,919	36,137
1908	1,524	1,645	21,113	9,449	33,731
Totals	15,419	10,730	221,306	79,651	327,106

A total of 300,957 new patients treated in the Out-patient Department. As these patients made an average of three visits, it brings the total number of visits of patients to 902,871.

Respectfully submitted,

FARRAR COBB, M.D.,

Superintendent.

REPORT OF THE FULL BOARD OF SURGEONS.

To the Board of Managers of the
Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen,—At the end of another year it is again our pleasure to report to your Board the results of our work. The facilities offered by our new surroundings give unceasing satisfaction and lighten our labors. Public demand, however, becomes greater every year, and with these demands there comes first the suggestion and then the actual need of further opportunities to meet them satisfactorily. One of the problems arising from the expansion of the work in the Aural Department, one which has been brought to your notice before, without, however, the possibility of altering existing conditions, is the proper care of the greatly increasing number of nose and throat operative cases. The present supply of beds is wholly inadequate to meet the demand, and there is a most unpleasant encroachment on any eye beds which may be, even for a few hours, available. These cases, as well as others on both services, need an ether recovery room separate from the one used for etherizing. There is need, too, in the Eye Department of an operative ward or wards for children and a convalescent ward for other operative cases, especially cataracts. We look forward hopefully and with pleasure to the possibility of the opening of a new story in the present building. This would doubtless meet the difficulties mentioned, and give opportunity perhaps for a general room apart from the wards, to be used for recreation.

The question of the hospitalization of patients is now, as

it always has been, one difficult of solution. It is closely allied to the fresh-air problem. The suggestion made by us in the report last year, of establishing a convalescent home, would readily meet the situation, but such a solution seems, for the present at least, impossible.

The regular work of the hospital has gone on satisfactorily, with the exception of the work in the vision-room. We can suggest no way of treating this difficult matter except by a most careful and discriminating investigation into the financial fitness of applicants—their fitness for this particular class of service. In this way only can justice be done alike to patient and physician. Knowing that very many of these patients buy the most expensive mountings for the glasses prescribed at the hospital, we may well doubt the necessity of their asking charity for the one or two visits required. This subject is a vital one, and its proper handling means much to the Infirmary. The valuable work, in this and other directions, of Miss Brannick, the social service worker, whom we have fortunately had with us the past year, is much appreciated and heartily commended by the Staff. Greater experience will doubtless make it more efficient.

We wish to express our appreciation of the admirable administration of the hospital and to thank the officers of the institution for their able and efficient assistance.

For the Full Board of Surgeons,

EDWIN E. JACK.
PHILIP HAMMOND.

Oct. 21, 1908.

REPORT OF THE PATHOLOGICAL LABORATORY.

Boston, Oct. 27, 1908.

To the Board of Managers of the
Massachusetts Charitable Eye and Ear Infirmary:

Gentlemen,—In the report of last year, attention was called to the desirability of more research work being done in connection with diseases of the eye and ear. Although a considerable amount of such work has been done here, yet in an institution of this size much more could and should be accomplished. The benefits to be derived from the work do not consist entirely in the results directly obtained, but also in the experience gained by those who do it; for there can be no doubt that this is a decided aid to the interpretation of the clinical aspects of disease. That more work of this character has not been carried on is due largely to the lack of men competent to undertake it. While a certain number of men have the natural qualifications as well as the inclination for scientific research, under present conditions few can afford the sacrifice of time necessary to obtain the requisite preliminary training. As previously suggested, a special endowment for laboratory purposes would to a great extent do away with this difficulty, since it would not only permit small salaries to be paid, but would render the laboratory more attractive, owing to its increased facilities. Certainly, if investigators capable of carrying on researches in diseases of the eye and ear are not to be developed in special hospitals such as this, it is difficult to understand where they are to be developed.

It is expected that the contemplated improvements on the fifth floor of the Infirmary will provide the additional space

for laboratory uses, which in the near future will be absolutely essential, and the need of which is already being felt.

Within the past year the pathological material of the laboratory has, for the first time, been utilized for teaching purposes in connection with the Harvard Medical School. Publications:—

"Some New Staining Methods of Wide Applicability, including a Rapid Differential Stain for Elastic Tissue." F. H. Verhoeff, *Journal of the American Medical Association*, 1908.

"A Small Sarcoma of the Ciliary Body showing Some Unusual Manifestations of Malignancy." F. H. Verhoeff, *Ophthalmology*, 1908.

"An Improved Method of Bleaching Pigmented Tissues." F. H. Verhoeff and C. Fisher. *Archives of Ophthalmology*, 1908.

"Angioma of the Choroid." A Quackenboss. Pathological Examination by F. H. Verhoeff. *Annals of Ophthalmology*, 1908. Also *Transactions of the American Ophthalmological Society*, 1908.

"Angioma of the Orbit with Invasion of Ciliary Nerves, Sclera, Choroid, and Optic Disc." A. Quackenboss. Pathological Examination by F. H. Verhoeff. *Ibid.*

FREDERICK H. VERHOEFF,
Pathologist.

REPORT OF OPHTHALMIC DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

Conjunctiva.

Conjunctivitis:	
acute	6
chronic	1
follicular	2
gonorrhœal:	
in adults	8
in children	6
in infants	87
phlyctenular	25
purulent:	
in adults	5
in children	11
in infants	36
spring	2
trachomatous	25
with pannus	29
Cicatrix	1
Lupus	3
Laceration of conjunctiva	1
Lymphoid hypertrophy	1
Pemphigus of conjunctiva	1
Pterygium	3
Symblepharon	7
Xerosis	1
Tumor:	
epithelioma	2
melanotic sarcoma	2
of caruncle	1
Total	265

Cornea.

Abscess	16
Conical	1
Foreign body	1
Keratitis	5
bullous	1
dendritic	3
fascicular	3
interstitial	20
neuropathic	25
phlyctenular	53
superficial	3
syphilitic	2
traumatic	6
tubercular	2
ulcerative	65
with hypopyon	51
with perforation	3
Kerato-iritis	7
Kerato-scleritis	1
tubercular	12
Leucoma	1
adherent	3
inflamed	7
partial	1
Staphyloma	9
with prolapsed iris	1
Epithelioma	1
Total	309

Glaucoma.

Absolute	3
Acute	11
Chronic	25
Secondary	8
Simplex	1
Hydrophthalmos	1
Total	49

Globe and Orbit.

Abscess of orbit	4
Angioma of orbit	1
Abscess of brow	1
Contracted orbit	2
Disorganized globe	11
Exophthalmos	8
orbital hemorrhage	1
Hydrophthalmos	2
Injury to brow	1
Intra-ocular hemorrhage	1
Panophthalmitis	4
Phthisis bulbi	9
Sympathetic ophthalmia	4
Tumors:	
carcinoma	1
sarcoma	2
gumma	1
Total	53

Injuries.

Burns:	
cornea	1
conjunctiva	1
conjunctiva and cornea	21
conjunctiva and lids	2
cornea and lids	1
Non-penetrating:	
globe	13
with exophthalmos	1
with hyphæmia	1
with irido-dialysis	1
Lids	2
Penetrating:	
cornea	29
with foreign body	5
and prolapsed iris	1
with prolapsed iris	1
ciliary region	22
with foreign body	1
cornea and iris	19
with foreign body	3
cornea and lens	13
cornea, iris, and lens	32
with foreign body	6
hemorrhage into vitreous	1
lid, cornea, and sclera:	
with prolapsed iris	1
sclera	12
with foreign body	7
Total	197

Iris, Choroid, and Ciliary Body.

Angioma	2
Blocked pupil	21
Disseminated choroiditis with vitreous opacities	1
Iritis:	
gonorrhœal	1
neuropathic	1
rheumatic	23
serous	1
simple	19
with hypopyon	1
syphilitic	24
traumatic	5
tubercular	1
Irido-cyclitis	8
Sarcoma of choroid	1
Carcinoma metastatic	1
Uveitis	5
Total	115

Lachrymal Apparatus.

Abscess	11
Dacryo-cystitis:	
acute	10
chronic	20
chronic with fistula	2
with fracture lachrymal bone	1
Total	44

Lens.

Cataract:	
capsular	37
congenital	27
hypermature	9
immature	103
mature	178
pre-senile	3
traumatic	39
Dislocated lens:	
into anterior chamber	4
into posterior chamber	2
Total	402

Lids.

Abscess	5
Ankyloblepharon	1
Cicatrix	1
Ptosis	2
congenital	3
Cyst	1
dermoid	1
Ectropion	13
Entropion	8
Epicanthus	1
Epithelioma	7
Papilloma	1
Trichiasis	9
Total	53

Miscellaneous.

Bronchitis, acute	1
Carcinoma of face	1
Delirium tremens	5
Diabetes	5
Diphtheria	3
Ethmoiditis	2
Erysipelas, facial	6
Frontal sinuritis	2
Influenza	3
Measles	6
German	2
Mitral insufficiency	1
Myocarditis	2
Pertussis	2
Pneumonia:	
broncho	1
lobar	1
Tabes dorsalis	2
Scarlet fever	3
Splanchnoptosis	1
Syphilis:	
acquired	6
congenital	2
Total	57

Muscle and Nerve Affections.

Exo-hyperphoria	1
Herpes zoster ophthalmicus	2
Paralysis of abducens	1
Paralysis of motor oculi	1
Strabismus:	
convergent	48
divergent	7
Total	60

Optic Nerve.

Optic atrophy	6
Neuritis:	
optic	2
retrobulbar	3
Neuro-retinitis	2
Total	13

Retina.

Retina separated	12
Obstruction central artery	1
Obstruction central vein with glaucoma	2
Pseudo-glioma	1
Glioma	3
Total	19

SCLERA.

Rupture	1
Scleritis, tubercular	14
Staphyloma	1
Tenonitis	1
Episcleritis	2
Total	19

SUMMARY.

Conjuctiva	265
Cornea	309
Glaucoma	49
Globe and orbit	53
Injuries	197
Iris, choroid, and ciliary body,	115
Lachrymal apparatus	44
Lens	402
Lids	53
Miscellaneous	57
Muscle and nerve affections	60
Optic nerve	13
Retina	19
Sclera	19
Total	1,655

OPHTHALMIC OPERATIONS.

HOUSE PATIENTS.

Conjunctiva.

Pterygium	3
Stripping	12
Suturing	3
Symblepharon	3
Total	21

Cornea.

Cauterizing kerato-conus	1
Paracentesis	15
Saemisch	16
Section for foreign body	1
Total	33

Enucleations.

Disorganized globe	17
Glaucoma absolutum	9
Injury	24
Irido-cyclitis	1
Iritis	1
Panophthalmitis	3
Phthisis bulbi	8
Staphyloma	7
Sympathetic ophthalmia	1
Tumor of globe	7
Total	78

Evisceration.

Simple	3
insertion glass ball	1
Total	4

Iris.

Iridectomy	18
glaucoma	25
optical	11
anterior senechiæ	4
preliminary to cataract	4
Iridotomy	5
Prolapsed iris abscised	15
Total	82

Lachrymal Apparatus.

Abscess evacuated	4
Curettage of sac	7
Extirpation of sac	22
Probing of duct	3
Total	36

Lids.

Abscess evacuated	3
Ectropion	8
Electrolysis	3
Entropion	5
Green's	2
Snellen	2
Plastic	6
Ptosis:	
Pagenstecher	1
Panas	1
Tumor excised	10
Wound sutured	2
Total	43

Miscellaneous.

Adenectomy	6
Cervical adenitis	2
Foreign body in anterior chamber	3
Lagrange operation	2
Magnet test	23
removal of intra-ocular steel	30
Tonsillectomy	2
Trephining	1
Total	69

Muscles.

Advancement:	
external rectus	22
internal rectus	16
Tenotomy:	
external rectus	10
internal rectus	18
Total	66

Orbit.

Abscess evacuated	2
Bands removed	1
Exenteration	3
Kroenlein operation	1
Thiersch graft	5
Tumor excised	4
Total	16

Sclera.

Anterior ciliary angiotomy	2
Sclerotomy	10
with magnet	4
Total	16

Lens.

Capsulotomy	49
Discission	93
attempted extraction	1
extraction in capsule	2
in capsule form with iridectomy	5
simple	18
with buttonhole of iris,	23
with iridectomy,	139
with modified iridotomy	3
with scoop	3
suction	11
Total	347

Total number of operations . 807

OUT-PATIENTS' OPERATIONS.

F. B. cornea removed	1,403	Xanthalsama	1
F. B. lid removed	149	Calcareous infarct M. gland	1
F. B. conjunctiva removed	63	Wen, lid	1
F. B. limbus removed	2	Dilated lymphatics	2
F. B. punctum removed	1	Pterygium	18
F. B. cul-de-sac removed	1	Bulla of conjunctiva	1
F. B. sclera removed	3	Tumor of conjunctiva	1
Abscess lid	28	Abscess of conjunctiva	2
Chalazion	151	Granulation tissue	2
Hordeolum	24	Eyelash in canaliculas	2
Verucca, lid	5	Eyelash in anterior chamber,	1
Ulcer, lid	1	Lachrymal abscess	27
Laceration lid sutured	6	Mucocele	2
Stye, lid	4	Dacryo-cystitis	2
Entropion	4	Furuncle, cheek	1
Septic wound, lid	2	Electrolysis	8
Sebaceous cyst, lid	3	Brow, abscess	4
Verruca, lid	5		
Stripping lid	1	Total	1,932

OPHTHALMIC OUT-PATIENT DEPARTMENT.

DISEASES OF OUT-PATIENTS.

Accommodation and Refraction.

Asthenopia	5
Astigmastism	3,230
Emmetropia	42
Hypermetropia	2,622
Myopia	510
Presbyopia	1,346
Paralysis of accommodation	4
	7,759

Conjunctiva.

Conjunctiva, abscess of	4
burn	60
chemosis	33
cyst	2
ecchymosis	70
foreign body	138
hyperæmia	5
laceration	6
lymphoid hypertrophy	12
hemorrhage	75
œdema	7
tuberculosis	1
tumors (unclassified)	5
xerosis	2
Conjunctivitis, acute catarrhal,	2,050
chronic	225
follicular	44
trachomatous	124
with pannus	28
membranous	1
muco-purulent	90
Parinaud's	1
traumatic	123
pinguecula	38
pterygium	84
phlyctenular	384
phlyctenular-kerato	10
vernal catarrh	3
Total	3,624

Cornea and Sclera.

Cornea, abrasion of	152
abscess	9
blebs	1
burn	56
ex acne rosacea	1
facet	1
foreign body	1,779
herpes	24
infiltration	40
injury	106
micro-cornea	1
opacities	36
leucoma	148
adherent	26
inflamed	21
maculæ	148
nebulæ	133
scars	54
staphyloma	16
tumors of	2
Descemetitis	1
Episcleritis	38
Keratitis	67
dendritic	12
fascicular	8
interstitial	61
marginal	17

neuropathic	52
phlyctenular	360
punctata	1
recurrent	1
superficial	52
traumatic	25
ulcerative	328
with pypopyon	46
ulcerative serpiginous	1
vascular	18
Kerato-conus	2
Kerato-iritis	25
Kerato-iritis tubercular	1
Kerato-iritis specific	1
Sclera, foreign body in	4
injury	29
injury of ciliary region	7
rupture	4
staphyloma	4
Scleritis	11
Sclero-keratitis	23
Total	3,852

General Injuries and Burns.

Blows and cuts	280
Burns	71
Total	351

Glaucoma.

Glaucoma, absolute	8
acute	31
chronic	8
hemorrhagic	1
secondary	8
simplex	8
traumatic	1
Total	65

Globe.

Anophthalmos	6
Contusion	12
Exophthalmos	18
Globe, foreign body in	16
rupture	3
Microphthalmos	4
Panophthalmitis	3
Phthisis bulbi	34
Total	96

Iris, Ciliary Body, and Choroid.

Albinism	4
Anirida	1
Choroid, atrophy of	11
coloboma	2
sarcoma	1
staphyloma	6
Choroiditis	39
specific	6
Ciliary injection	22
Cyclitis	5
Iris, coloboma of	9
gumma	2
hyperæmia	1
injury	9
paresis	1
prolapse	9
rupture	5
synechia anterior	7
posterior	30
Iritis	204
chronic	1
recurrent	2
rheumatic	80
specific	59
suppurative	1
traumatic	41
with hypopyon	4
Irido-choroiditis	2
specific choroiditis	1
cyclitis	6
dialysis	23
exclusion	6
mydriasis	16
artificial	31
occlusion	7
Uveitis	2
Total	656

Lachrymal Apparatus.

Abscess	40
Dacryo-cystitis	68
Epiphora	129
Fistula	9
Inflamed tear duct	1
Lach. obstruction	22
Mucocele	54
Misplaced punctum	1
New growth	2
Stenosis	16
Foreign body cul-de-sac	1
Foreign body punctum	1
Total	344

Lids.

Abscess	49
Blepharitis	664
Burn	35
Chalazion	406
Cyst	11
Dermatitis	6
Distichiasis	6
Ecchymosis	73
Ectropion	32
Eczema	26
Emphysema	3
Epicanthus	4
Entropion	33
Foreign body in	153
Furuncle	2
Epithelioma	11
Erysipelas	2
Granulation	4
Herpes	2
Hordeolum	196
Lagophthalmos	3
Milium	10
Nævus	2
Œdema	55
Papilloma	4
Pityriasis	4
Pediculosis	1
Ptosis	39
Symblepharon	11
Stye	5
Sinus	1
Trichiasis	32
Tumors	8
Twitching	1
Ulcers	121
rodent	1
Verruca	10
Wart	1
Wen	1
Wound	25
infected	5
Total	1,946

Lens.

Aphakia	15
Cataract, calcarous	1
capsular	16
complicated	2
congenital	13
posterior polar	8
anterior polar	3
hypermature	7
incipient	291
immature	89
mature	87
traumatic	35
with hypopyon	1
Lens, dislocated	17
luxation	1
opacities	59
Total	645

Muscular Affections and Neurosis.

Angio-neurotic œdema	3
Argyll-Robertson pupil	3
Bleparospasm	7
Diplopia	9
Esophoria	10
Exophoria	15

Exophthalmic goitre	3
Herpes zoster	12
Hyperphoria	3
Nictitation	3
Nystagmus	46
Paralysis, unclassified	6
facial	17
sixth	3
third	10
external rectus	14
inferior rectus	3
internal rectus	2
superior rectus	7
Photophobia	3
Strabismus, alternating	66
convergent	319
divergent	91
Supra-orbital neuralgia	3
Total	658

Optic Nerve and Retina.

Amblyopia, congenital	3
tobacco	4
toxic	44
unclassified	42
Amaurotic, family idiocy	3
Neuritis	11
Neuro-retinitis	6
Optic nerve, atrophy of	56
Retina, atrophy of	2
degenerative changes in macular region	10
embolism of central artery,	3
hemorrhage	13
œdema	1
separation	23
Thrombosis, vein of	8
Retinitis, albuminuric	4
pigmentosa	8
proliferans	5
Scotoma, unclassified	21
Total	267

Orbit.

Orbit, abscess of	2
cellulitis	2
cyst	1
dermoid cyst	1
emphysema	1
gumma	1
hemorrhage in	3
necrosis	1
tumor of	3
Total	16

Vitreous.

Hyalitis	3
Muscæ volitantes	2
Vitreous, foreign body in	1
hemorrhage in	15
opacities of	107
webs	1
Total	129

Miscellaneous.

Eloped	22
Entered by mistake	9
No diagnosis	160
No disease	70
Visions not refracted	1,994
Referred to other institutions	98
Refused treatment	9
Referred to nose room	25
Referred to ear room	18
Total	2,405

Other Diseases.

Abscess of brow	4
Angioma of face	4
Color-blind	5
Dermoid tumors	1
Eczema of face	1
Ethmoiditis	4

Facial acne rosacea	1	Neuralgia, face	1
Frontal sinus	11	Neurasthenia	19
Furuncle of brow	1	Retro-bulbar neuritis	1
Hyphemia	24	Sclerosis	1
Inflamed socket	1	arterio	4
Jaundice	1	Tumor of brow	1
Irritation	29	Total	114

SUMMARY.

Accommodation and refraction	7,759
Conjunctiva	3,624
Cornea and sclera	3,852
General injuries	351
Glaucoma	65
Globe	96
Iris, ciliary body, and choroid	656
Lachrymal apparatus	344
Lids	1,946
Lens	645
Muscular affections and neuroses	658
Optic nerve and retina	267
Orbit	16
Vitreous	129
Miscellaneous	2,405
Other diseases	114
Total	22,927

REPORT OF AURAL DEPARTMENT.

DISEASES OF HOUSE PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

	R.	B.	L.
Lop ear	0	1	0
Lop ear, microtia, and congenital fistula of auricle	0	0	1
Traumatic deformity of auricle, tonsillitis, and la grippe	0	0	1
Pre-auricular abscess with erysipelas	1	0	0
Perichondritis with tuberculosis	0	0	1
Epithelioma auricle, canal, middle ear, and face	1	0	0
Post-aural abscess due to pediculi capitis	1	0	0
Othæmatoma	0	0	1
Congenital fistula with recurrent abscess of tragus	1	0	0

II. DISEASES OF THE MEATUS.

Congenital stenosis auditory canals	0	2	0
Otitis externa diffusa	5	0	4
Otitis externa diffusa with mastoiditis	0	0	1
Otitis externa diffusa with post-aural abscess	1	0	0
Otitis externa diffusa with acute suppurative middle ear	1	0	0
Otitis externa diffusa with pre-auricular abscess	4	0	2
Otitis externa diffusa with erysipelas	1	0	0
Otitis externa diffusa (malignant)	1	0	1
Otitis externa diffusa with multiple furuncles left forearm	0	0	1
Otitis externa furunculosis	1	3	1
Otitis externa furunculosis with pre-auricular abscess, pustular eczema, and erysipelas	0	0	1
Otitis externa furunculosis with left branchial cleft and partial stenosis canal	0	0	1
Otitis externa circumscripta	2	0	3
Exostosis bony canal wall	1	0	0
Otitis externa circumscripta with fracture base of skull, facial paralysis, and hæmatoma	1	0	0

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Inflammations.*

	R.	B.	L.
Otitis media acuta	1	0	0
Otitis media acuta with parotitis	1	0	0
Otitis media acuta with ruptured membrana tympani	0	0	1

b. *Acute Suppurative Inflammations.*

Otitis media suppurativa acuta—simple	1	0	1
with tonsillitis	1	0	0
otitis externa furunculosis	1	0	2
lepto-meningitis	1	0	1
cervical adenitis	3	0	0
pertussis, double lobar-pneumonia, nystagmus	0	1	0
post-aural abscess, cervical adenitis, pertussis	0	0	1
post-aural abscess, lepto-meningitis, purulenta diffusa,	0	0	1
facial paralysis	0	1	0
mastoiditis	104	14	90
mastoiditis and post-aural abscess,	12	0	18
mastoiditis, post-aural abscess, and measles	1	0	0
mastoiditis, post-aural abscess, and cervical adenitis,	1	0	1
mastoiditis, post-aural abscess, and retro-pharyngeal abscess	0	0	1
mastoiditis and cervical adenitis	0	0	2
mastoiditis and gastro-enteritis	0	1	0
mastoiditis, adenoids, and tonsils	1	0	0
mastoiditis and thrombosed lateral sinus	7	0	5
mastoiditis and erysipelas	3	1	4
mastoiditis and furunculosis	1	0	3
mastoiditis, erysipelas, and lepto-meningitis diffusa	0	0	1
mastoiditis and acute anterior poliomyelitis	0	0	1
mastoiditis and torticollis	1	0	1
mastoiditis and pachy-meningitis	1	0	1
mastoiditis and perisinous abscess	2	0	0
mastoiditis and Bezol	2	0	1
mastoiditis and supra-auricular abscess	1	0	0
mastoiditis and otitis externa circumscripta	1	0	0
mastoiditis and lumbago	1	0	1
mastoiditis post typhoid	0	0	1
mastoiditis and broncho-pneumonia	0	0	1
mastoiditis and bronchitis	1	0	0
mastoiditis and osteomyelitis left forearm	0	0	1

	R.	B.	L.
mastoiditis, extradural abscess, and lepto-meningitis seronsa	0	0	1
mastoiditis, post-aural abscess, and thrombosis lateral sinus	1	0	0
mastoiditis and diabetes mellitus	1	0	0
mastoiditis, post-aural abscess, and bronchitis	1	0	0
mastoiditis, extradural cerebellar abscess, and optic neuritis	1	0	0
mastoiditis and extradural abscess	1	0	1
mastoiditis and congenital syphilis	0	0	1
mastoiditis and acquired syphilis	0	0	1
mastoiditis and scarlet fever	0	0	1
mastoiditis, scarlet fever, and cervical adenitis	0	0	1
mastoiditis, meningitis, and lobar-pneumonia	0	0	1
mastoiditis, perisinous abscess, and congenita syphilis,	0	0	
mastoiditis, exostosis bony canal wall	0	0	1
mastoiditis, cervical adenitis, and furunculosis scalp,	1	0	0
mastoiditis, phlebitis, perisinous abscess, and lepto-meningitis diffusa	1	0	0
mastoiditis, fracture osseous wall, and facial paralysis,	0	0	1
mastoiditis, perisinous abscess, and purulent lepto-meningitis	0	0	1
mastoiditis, chicken-pox, scarlet fever, cervical adenitis, and thrombosis lateral sinus	0	0	1
mastoiditis, cerebellar abscess, thrombosis lateral sinus, and cervical adenitis	1	0	
mastoiditis and abscess temporal sphenoidal lobe	1	0	1
mastoiditis and lobar-pneumonia	0	0	2
mastoiditis, otitis externa diffusa, and eczema auricle	0	0	1
mastoiditis recurrent	5	1	7
mastoiditis recurrent, with facial paralysis and otitis externa diffusa	0	0	1

c. *Chronic Suppurative Inflammation.*

Otitis media suppurativa chronica—simple	8	8	4
with mastoiditis	13	0	6
mastoiditis and furunculosis	1	0	1
mastoiditis, acute relapse	1	0	2
mastoiditis and facial paralysis	1	0	1
mastoiditis and lepto-meningitis diffusa	1	0	0
mastoiditis and thrombosis of lateral sinus	1	0	0
mastoiditis and neurasthenia	0	0	1
mastoiditis, post-aural abscess	1	0	0

	R.	B.	L.
mastoiditis, post-aural abscess perforation promontory, and measles	0	0	1
mastoiditis, facial paralysis, and erysipelas	0	0	1
mastoiditis, post-aural abscess, and double optic neuritis	0	0	1
mastoiditis and post-aural sinus	0	0	1
mastoiditis and cervical adenitis	1	0	0
mastoiditis and cholesteatoma	0	0	1
mastoiditis and facial erysipelas	1	0	0
mastoiditis and extradural cerebellar and perisinous abscess	1	0	0
mastoiditis, post-aural abscess, extradural abscess	1	0	0
mastoiditis and extradural abscess	1	0	0
mastoiditis, post-aural abscess, perisinous abscess	1	0	0
with facial paralysis	0	1	0
polypi	1	0	1
furunculosis	2	0	1
gastro-enteritis	0	1	0
exostosis canal wall	1	0	2
mastoid fistula	1	0	1
polypi and facial paralysis	1	0	0
cephalagia	0	0	1
cholesteatoma	1	0	4
caries of temporal bone	0	0	1

IV. DISEASES OF NOSE, NASO-PHARYNX, AND TONSILS.

Deviation of nasal septum	0	17	0
Polypoid middle turbinate	0	1	0
Post-operative hemorrhage	0	6	0
Specific pharyngeal adhesions	0	1	0
Spindle-cell sarcoma (nose)	0	1	0
Angioma noula	0	1	0
Nasal polypus	0	1	0
Epistaxis	0	2	0
Stomatitis and gingivitis	0	1	0
Follicular tonsillitis	0	2	0
Follicular tonsillitis and peritonsillar abscess	0	1	0
Follicular tonsillitis and peritonsillar abscess, arthritis	0	1	0
Œdema arytenoids	0	1	0
Bursa of thryroid cartilage	0	1	0
Papilloma larynx with follicular tonsillitis	0	1	0
Fibroma naso-pharynx	0	1	0

	R.	B.	L.
Tuberculosis larynx and both lungs	0	2	0
Carcinoma nose and orbit	0	1	0
Lympho-sarcoma naso-pharynx	0	1	0
Cleft palate	0	2	0
Fractured nose, traumatic	0	2	0
Abscess nasal septum	0	1	0
Congenital malformation lachrymal sac	0	1	0

V. DISEASES OF ACCESSORY SINUSES.

a. *Frontal Sinus.*

Frontal sinusitis acuta	2	0	4
with ethmoiditis	1	0	2
ethmoiditis and orbital abscess	0	0	2
lepto-meningitis diffusa	0	1	0
antrum of highmore, infra-orbital abscess, measles	1	0	0
abscess of septum	1	0	0
Frontal sinusitis chronica	0	2	0
with ethmoiditis	4	3	1
antrum of highmore	0	0	1
antrum of highmore and tuberculosis both lungs	0	1	0
antrum of highmore, ethmoiditis, and mastoiditis	0	1	0
ethmoiditis and abscess upper lid	1	0	0

b. *Antrum of Highmore.*

Chronic	1	0	0
with fistula, ectropion, and right lobar-pneumonia	0	0	1

c. *Sphenoidal Sinusitis.*

Acute	1	0	0

VI. MISCELLANEOUS.

Sarcoma temporal bone with facial paralysis	1	0	0
Cervical abscess	4	0	2
Meningitis	1	0	0
Cerebellar hernia following cerebellar abscess	1	0	0
Abscess occipital region	1	0	0
Osteo-sarcoma, mastoid region	2	0	0
Convalescing mastoid wound	5	0	3
Convalescing mastoid wound with facial erysipelas	0	0	1
Convalescing mastoid wound with diabetes	0	0	1

	R.	B.	L.
Convalescing mastoid wound with cervical adenitis	0	0	2
Convalescing radical cavity with facial erysipelas	1	0	0
Post-aural cavity	1	0	0
Primary mastoid	2	0	0
Post-auricular abscess and tuberculosis	0	0	1
Erysipelas	5	3	0
Measles	0	3	0
Facial paralysis	1	0	0
Parotitis epidemic	1	0	0
Post-aural sinus	1	0	0
Post-aural sinus with scarlatina	1	0	0
Epithelioma of neck	1	0	0
Diphtheria	0	2	0
German measles	0	2	0
Hysteria	0	2	0
Asthma with hypertrophy of both middle and lower turbinates,	1	0	0

AURAL OPERATIONS.

PART. DISEASE. OPERATION.

1. Auricle.

Abscess of lobe incised	1	0	5
Abscess of tragus incised	2	0	1
Cyst excised	5	0	2
Congenital fistula incised	1	0	0
Othæmatoma incised	2	0	2
Lop ears	1	2	1
Plastic operation for traumatic deformity	1	0	0
Perichondritis incised	1	0	0

2. Meatus.

Abscess incised	61	3	28
Circumscribed abscess incised	67	7	45
Foreign body removed	1	0	1

3. Tympanum.

Drum membrane, paracentesis	576	348	528
Carious ossicles removed	3	1	3
Granulations in tympanum removed	2	0	3
Polyp removed	72	0	30

4. Nose, Throat, and Pharynx.

	R.	B.	L.
Abscess incised	0	1	0
Nose, spur removed	0	13	0
turbinate removed	0	140	0
polypus removed	0	44	0
cyst removed	0	1	0
fibroma turbinate removed	0	1	0
Naso-pharynx, adenoids removed	0	312	0
Naso-pharynx, adenoids and tonsils removed	0	723	0
fibroma removed	0	1	0
tonsils removed	0	47	0
Fracture nasal bone (reduction)	0	3	0
Sub-mucous operations (spurs and septum)	0	103	0
Adhesions Eustachian tubes freed	0	1	0
Uvula cut	0	1	0
Specific adhesions of pharynx separated	0	1	0
Ligation of anterior and posterior pillars of tonsil	0	0	1
Ligation of hæmangioma of uvula	0	1	0
Cleft palate operation	0	2	0
Arytenoids incised	0	1	0
Removal of hyoid bursa and duct	0	1	0
Killian operation	6	0	7
Killian operation with radical antrum	0	0	2
Austin, Luke, frontal sinus operation	0	1	3
Radical antrum	0	0	3
Radical antrum with opening of orbital abscess	0	0	1
Sarcoma neck removed	0	0	1
Partial removal of epithelioma of neck	0	1	0
Ethmoids curetted	0	5	0
Peritonsillar abscess incised	0	12	0
Periauricular abscess incised	2	0	0
Antrum opened	0	31	0
Papilloma larynx removed	0	3	0

5. Mastoid Region.

Abscess, post-aural, incised	11	0	10
Cervical abscess incised	8	0	4
Cervical glands incised	6	0	0
Mastoid operations (acute)	93	0	89
Mastoid operation with cerebellar abscess	1	0	0
Mastoid operation with temporal sphenoidal abscess	2	0	0
Mastoid operation with ligation of jugular	7	0	2
Skin graft	3	0	1

	R.	B.	L.
Lateral sinus curetted	3	0	0
Trephine and lumbar puncture	0	0	1
Mastoid operation with osteo-sarcoma	1	0	0
Mastoid operation with exostosis bony canal wall	3	0	0
Mastoid operation with cervical abscess	2	0	2
Mastoid operation with retro-pharyngeal abscess	1	0	0
Mastoid operation with multiple incisions of forearm	1	0	0
Mastoid operation with partial dissection of branchial cleft	1	0	0
Radical mastoid operation with Koerner flaps	5	0	6
Radical mastoid operation with stapedectomy and skin graft	1	0	0
Radical mastoid operation with Pansee flaps	4	0	0
Radical mastoid operation with tongue and Pansee flaps	4	0	6
Radical mastoid operation with skin graft	1	0	1

MISCELLANEOUS OPERATIONS.

Lumbar puncture	0	12	0
Various operations	2	0	1

DISEASES OF OUT-PATIENTS.

I. DISEASES OF THE EXTERNAL EAR.

I. Auricle.

a. *Inflammations.*

Abscess	1	0	0
Abscess of lobe	0	0	1
Abscess of tragus	2	0	1
Congelatio	2	2	4
Dermatitis	4	0	2
Eczema	42	19	56
Erysipelas	1	0	2
Hæmatoma traumatica	1	0	2
Othæmatoma	5	0	8
Intertrigo	5	0	7
Perichondritis	3	0	4
Lupus	1	0	0
Specific ulceration	0	0	1

b. *Deformities.*

	R.	B.	L.
Cornu	2	0	1
Microtia	2	0	1
Congenital fistula of auricle	1	2	1
Congenital lop ears	0	5	0

c. *Neoplasms.*

Cyst of auricle	7	0	7
Cyst of lobe	7	0	3
Epithelioma	1	0	1
Papilloma	1	0	0
Sarcoma	1	0	0
Carcinoma	0	0	1

d. *Trauma.*

Auricle	1	0	1

2. MEATUS.

Cerumen	568	860	637
Trauma	1	0	0
Atresia	0	2	0
Abscess	10	0	2
Eczema	35	16	35
Pruritus	2	0	1
Acute diffuse inflammation	65	5	50
Chronic diffuse inflammation	1	0	0
Acute circumscribed inflammation	150	7	68
Foreign body (animate)	19	4	15
Foreign body (inanimate)	12	1	10

II. DISEASES OF THE DRUM MEMBRANE.

Trauma direct	3	0	6
Trauma indirect	1	0	1
Myringitis	1	0	1

III. DISEASES OF THE MIDDLE EAR.

a. *Acute Secretory Catarrhals Inflammation.*

Mucous	225	192	180
With adenoids	120	141	175

Chronic Secretory Catarrhal Inflammation.

	R.	B.	L.
Mucous	265	527	228
With adenoids	112	437	159
With labyrinthine disease	1	0	2

b. *Adhesive Catarrhal Inflammation.*

Secretory	65	109	63
Secretory with labyrinthine disease	2	3	1

c. *Acute Inflammation.*

Simple	657	247	588
With adenoids	42	20	30
mastoiditis	37	17	61
facial paralysis	1	0	0
meningitis	1	0	1
post-aural abscess	2	0	1
mastoid abscess	1	0	1
phlebitis jugular	1	0	0

d. *Acute Suppurative Inflammation.*

Simple	367	153	293
With cervical abscess	1	0	1
circumscribed abscess	4	0	2
mastoiditis	121	1	78
mastoiditis and meningitis	0	0	1
mastoiditis and torticollis	0	0	1
mastoiditis and facial paralysis	1	0	2
mastoiditis and fracture of inferior maxilla	0	0	1
mastoid fistula	1	0	0
post-aural abscess	5	0	7
facial paralysis	1	0	1
adenoids	25	22	21
abscess parotid gland	0	0	1

e. *Chronic Suppurative Inflammation.*

Simple	305	203	420
With mastoiditis	23	1	25
facial paralysis	7	0	7
facial paralysis and meningitis	2	0	1
mastoid fistula	1	0	0
torticollis	1	0	0
caries of the ossicles	10	1	6

	R.	B.	L.
facial paralysis	1	0	1
polypus in the tympanum	92	3	36
granulations in the tympanum	20	2	7
post-aural abscess	1	0	0
erysipelas	1	0	0
adenoids	12	0	21
Effect of suppurative inflammation	145	198	70
labyrinthine disease	1	0	1
adenoids	7	3	15

IV. NEUROSIS OF MIDDLE EAR.

Otalgia from teeth	30	0	15
pharynx	1	0	1

V. DISEASES OF THE LABYRINTH.

Labyrinthitis	7	10	19
Anæmia	1	0	0
Concussion	2	0	1
Trauma	1	0	0

MISCELLANEOUS.

Adenoids and tonsils	0	122	0
Adenoids	0	209	0
Hypertrophic rhinitis	0	141	0
Atrophic rhinitis	0	85	0
Purulent rhinitis	0	61	0
Abscess (nose)	0	1	0
Acne (nose)	0	2	0
Peritonsillar abscess	0	9	0
Polyp (nose)	0	51	0
Spur (nose)	0	125	0
Foreign body (nose)	0	9	0
Deaf-mutism	0	16	0
Deflected septum	0	152	0
Frontal sinus (acute)	8	1	7
(chronic)	20	2	28
Ethmoiditis	0	25	0
Sphenoiditis	0	2	0
Acute pharyngitis	0	41	0
Chronic pharyngitis	0	29	0

	R.	B.	L.
Sarcoma turbinate	1	0	0
Papilloma larynx	0	3	0
Hypertrophy turbinate	0	160	0
Adenitis	0	24	0
Fibroma naso-pharynx	0	3	0
Deformity (nose)	0	3	0
Trauma (nose)	0	2	0
Epistaxis	0	15	0
Eczema (nose)	0	16	0
Specific nose and throat	0	7	0
Papilloma uvula	0	1	0
Cleft palate	0	3	0
Cleft uvula	0	1	0
Stomatitis with gingivitis	0	3	0
Ulceration septum	0	2	0
Ulceration pharynx	0	1	0
Tongue-tie	0	2	0
Ranula	0	1	0
Syphilis	0	5	0
Vaso-motor rhinitis	0	2	0
Antrum of highmore	1	0	4
Stricture of œsophagus	0	1	0
Specific laryngitis	0	2	0
Eloped	0	20	0
No diagnosis	0	35	0
No ear disease	0	69	0

DONATIONS IN 1907–1908.

The Managers desire to acknowledge the receipt of the following donations in 1907–1908:—

Medical Journals for the Surgeons' Library, from Dr. B. Joy Jeffries.

Medical books, medical journals, and surgical eye instruments of the late Dr. Gustavus Hay from Mrs. Gustavus Hay.

Transactions of the American Ophthalmological Society, from S. B. St. John, M. D.

Twelve Art Club tickets for nurses, from Dr. Myles Standish.

Forty Art Club and Concert tickets for nurses, from Dr. George A. Webster.

Flowers, from Mr. Herbert M. Sears.

Flowers, from Rev. E. F. McLeod.

Flowers, from Boston Flower Mission.

Flowers, from Arlington Street Church.

Flowers, from Hereford Club.

Flowers, from North Shore Horticultural Society.

Graphophone records, from Mrs. T. J. Randall.

Graphophone needles, from Mr. John G. Schroeder.

Ice-cream, from Mr. Thomas Addison.

Thirty-six knit bandages, from Miss Prentiss.

Four knit bandages, Anonymous.

Surgical instruments, from Dr. Charles G. Weld.

Children's clothing, from the Needlework Guild, Arlington Street Church.

Children's clothing, from Mrs. Charles H. Harris.

Clothing, from the Jamaica Plain Needlework Guild.

Ear trumpet, from Mrs. A. P. Tapley.

Ear trumpets, Mrs. F. R. Sears.

Spectacles and eyeglasses, from Dr. Charles Minot.

Spectacles and eyeglasses, from Mrs. F. R. Sears.

Spectacles and eyeglasses, from E. W. Knight.

Through the kindness of Dr. John Dixwell the house patients were treated to a musical entertainment on Dec. 11, 1907.

Through the kindness and generosity of the following persons we were enabled to have a large Christmas tree, with presents for over two hundred patients and employees:—

Mr. Augustus Hemenway, Mr. George P. Gardner, Mr. Henry Parkman, Mr. William D. Sohier, Mr. William H. Seabury, Mr. Robert Homans, Mr. William S. Spaulding, Dr. George B. S. Shattuck, Mr. William C. Endicott, Mr. Russell G. Fessenden, Mr. Herbert M. Sears, Mr. C. P. Curtis, Mr. Robert H. Stevenson, Jr., Mr. John Lawrence, Mrs. C. P. Curtis, and Mrs. McIntosh.

A Victor graphophone and records, from Mr. William H. Seabury, Mr. William C. Endicott and Mr. Herbert M. Sears.

POST-GRADUATE TRAINING SCHOOL FOR NURSES.

Graduates of any general hospital training school in good standing will be admitted to the Post-graduate Course at the Infirmary.

The course of instruction consists of four months' practical work in the aural and ophthalmic wards, the Out-patient Department, operating, sterilizing, and dressing rooms, with thirty-two lectures and classes by the Visiting Staff, the House Surgeons, and the Superintendent of Nurses.

The lectures follow a graded course, beginning with the anatomy, physiology, and pathology of the eye and ear, concluding with the applied treatment of diseases of the same and the relation of general nursing to the eye and ear specialties.

The clinical and practical instruction in the hospital is given by the House Surgeons, Superintendent of Nurses, and the permanent Head Nurses, who are thoroughly prepared to give individual instruction.

Nurses completing the four months' course, and passing a satisfactory examination, receive the diploma of the school.

Nurses, while on duty, are expected to wear the uniform of the school from which they graduated.

Members of the school are expected to pass three weeks on night duty.

It is possible for a limited number of nurses, after completing their regular course, to arrange for a longer period of instruction in any one branch, should they desire.

The remuneration is $72 for the course.

Application papers furnished on request.

Address all communications to the Superintendent of the Infirmary.

WELLS BINDERY
WALTHAM MASS.
NOV. 1939